নেদিপুটিউট্দীত সিটেট্টির and Joseph স

Reasoning & Aptitude For GATE 2019 and ESE Pre 2019

Comprehensive Theory with Stammies
and Solved Questions of
GATE and ESE Prelims

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PREFACE

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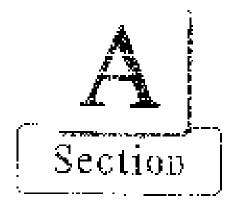
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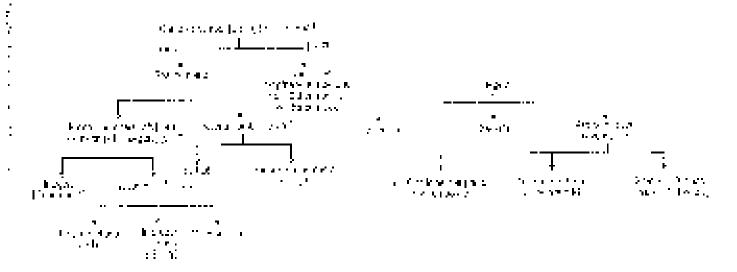


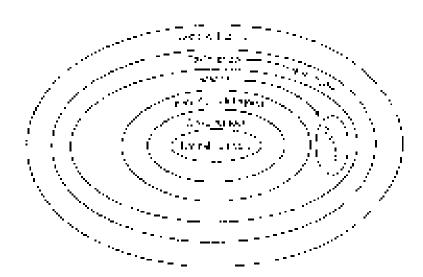
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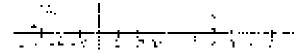
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- John Harring

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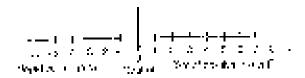
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Composite Numbers

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- $\gamma = [g_{\theta}^{2} + \ln t, \log \ln t, \cos t, \cos t, \sin t, \cos t]$
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Test of Divisibility

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wheels compared by a logic maximum $x \in \mathbb{R}^3$ $x \in \mathbb{R}^3$ where $x \in \mathbb{R}^3$ is the first parameters of \mathbb{R}^3 and $x \in \mathbb{R}^3$.

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$$\frac{2^{1/4}}{464 \cdot 6^{1/4}} \cdot \frac{1004 - \frac{004 \cdot 6^{1/4} \cdot (1.5^{1/4})}{464 \cdot 6^{1/4} \cdot (2.5, 7) - \frac{6}{1} - 1}.$$

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$$(1 - (8.45)^2 + 8^2 - 245) = 6^2$$

$$(2a + (s + b)^2 + s^2 + 2bb) (b^2$$

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$$v(\{u\})$$
ble $u^2 = v^2$

$$\delta = (a - b)' + (a + b)' = aa$$

$$\begin{aligned} -6 &= (r + h)^2 + 8^3 + 3k(h + 2kr^2 + h^2) \\ &= r^2 + 8^3 + 3k((h + b)) \end{aligned}$$

$$\begin{split} Z_{t} &= \left(\mathbf{a} \cdot \mathbf{b} \right)^{2} + \mathbf{b}^{2} = \operatorname{holib}_{t} + \mathbf{b} \cdot \mathbf{b}^{2} \\ &= \mathbf{b}^{2} + \hat{Z}_{t} \cdot \operatorname{sol}_{t}(\mathbf{b} - \mathbf{b}) \end{split}$$

$$_{i_1,i_1,j_2,\ldots,i_{k-1},j_{k-1},\ldots,j_{k-1},i_{k-1},\ldots,i_{k-1},i_{k-1},\ldots,i_{k-1},i_{k-1},\ldots,i_{k-1},i_{k-1},\ldots,i_{k-1},i_{k-1},\ldots,i_{k-1},i_{k-1},\ldots,i_{k-1},i_{k-1},\ldots,i_{k-1},i_{k-1},\ldots,i_{k-1$$

$$\frac{\partial D_{i} D_{i}}{\partial A_{i} D_{i}} = \left[0 - \left(\frac{1}{2} - \frac{1}{2} \right) \left(\frac{1}{2} - \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \right) \right]$$

$$-10.5 \frac{1}{3^2} \frac{3^2 + 6^3 + 6 - 3626}{3^2 + 6^2 + 18} \approx 12 + 16 + 69$$

$$\begin{aligned} D_{t}(\mathcal{S} - \mathbf{f}^{T}) \cdot \left[\mathbf{g}^{T} \right]^{2} &= \left[\mathbf{g}^{T} \right]^{2} = \left[\mathbf{g}^{T} + \mathbf{f}^{T} \right] \left[\mathbf{g}^{T} + \mathbf{g}^{T} \right] \\ &= \left[\mathbf{g}^{T} + \mathbf{g}^{T} \right] \left[\mathbf{g}^{T} + \mathbf{g}^{T} \right] \left[\mathbf{g}^{T} - \mathbf{g} \right] \end{aligned}$$

Consilian of Divisibility for Algebric Function

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Take
$$A = C^{2} + (A + b) + (A + b)$$

$$\sigma_{ij}^{2} = 3^{2}$$
 is that the cubication to any (a_{ij},b_{ij})

. Each
$$a^2=a^4$$
 in its asset positions by $(a+b)$ place a^{-k} . Linear so exhally received a^{-k} ($a=b$)

4. $8^{0} - 10^{6}$ sold subbligger in a range when 6^{6} solvers in a stable limited

$$H(t) = A^{\frac{1}{2}} + \| f \|_{L^{2}(\mathbb{R}^{2})} + \| f \|_{L^{2}(\mathbb{R}^{2}$$

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$$m = 0$$
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$$0 = 2 \times 2 : 2$$

Denotes that if $h_{\rm H}=\mu^{\rm st}(q,r)$, $\chi=(q-1)^{\rm st}(q)\eta_{\rm H}/\mu_{\rm H}$

$$f_{\chi} = P_{\chi} \sin \psi \cos \phi$$
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$$(\mu_{\rm c}, \mu_{\rm c})$$

$$(3r + 1) (2s \cdots 1 ... 2s - 1)$$

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Factors of the
$$\alpha_{\rm S}=\{0,0,1,1,\dots,N_{\rm S}\}$$

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Fig.
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, $0.011 = 12$

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$$\mathbb{E} d = - (AS) = \mathbb{E} \mathbf{y} \left[-\frac{1}{2} \mathbf{y} \left(\mathbf{y}_{1}, \mathbf{y}_{2} \right) \right]$$

$$\begin{aligned} & -2 - c \cos \beta \\ & \cos \cot z = b c - (c + b) + |f(z)| = 1 (c + b) \end{aligned}$$

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is the dispersion of the reservoir expension

$$\frac{2^{n}}{n}\frac{|\mathbf{x}_{i}|^{2}}{2^{n}}\left[\mathbf{h}(\mathbf{x}_{i})\times \mathcal{O}_{i}\times \mathcal{O}_{i}\right]\mathbf{A}^{n}\mathbf{a} \quad \text{as the Conf. proof.}$$

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 $\overline{\nu}_{\rm s} L_{\rm c}$ -compared of the $\nu_{\rm s} (p) = \frac{8 \times 7 \times 18}{p} \approx 0.0 \, {\rm g}$

$$CO(n, -r) \frac{C^{2} (N, r)}{2} = \frac{1}{r^{2}} = \frac{1}{r}$$

 $\mathcal{O}((kn)^{2})$ for the following section Socialistic Charles Charles (1978) and appropri-

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$$e^{-\frac{1}{2}\epsilon}i_2 \leq$$

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$$\begin{split} & (z + a) \cdot a \cdot A = 0 (1 \cdot A^{-1} + 10)_2 \cdot a^{-a} \cdot a^a \\ & + f \mathbb{Q}_7 \cdot a^{-a} \cdot a^{-1} + 2 \cdot a^{-a} + a^{-1} + a^{-1} \cdot a^{-1} \end{split}$$

$$\frac{1}{\sqrt{(1+\sqrt{3})^2+\frac{1}{2}}} \frac{1}{\sqrt{(1+\sqrt{3})^2+\frac{1}{2}}} \frac{1}{\sqrt{(1+\sqrt{3})^2+\frac{1}{2}}}$$

to the index of expression (2) will be equal to remainder of $\frac{e^2}{2}$ because lead of the length contains was a comparing order of by ϵ .

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$$\frac{9^{36}}{7} = \left[\frac{3 - 7 + 6^{-50}}{7} + \frac{9^{3}7}{7}\right]$$

 $= \frac{3^{36}}{7} + \frac{(2^{5}7^{10} \times 2)}{7} + \frac{7^{7}7^{25}}{7} \times 1 + \frac{2}{7}\right]$
 $= \frac{3^{36}}{7} + \frac{(2^{5}7^{10} \times 2)}{7} + \frac{7^{7}7^{25}}{7} \times 1 + \frac{2}{7}$

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$$n \times LCM \times H^{2}(0.5, 3) - 1 = 300 + 300$$

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$$\gamma_{\rm TD}(r_0 \mid \frac{E}{r})$$
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m D}(r_0 \mid r_0)$.

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$$\begin{aligned} -\omega' &= -i_1 & (-1)^2 &= (p_1)^2 \\ -\overline{p}'' &= 2\omega & \overline{p}'' &= 2\omega \end{aligned}$$

$$-(S + W, -1)S = \overline{(g_i)}$$

$$T^{2} = 2;$$
 $17^{2} = 290$

$$-5s = 54$$
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$$\hat{\mathcal{T}}^{-1}(G_{\mathcal{O}_{\mathcal{A}}}) = \hat{\mathcal{T}}_{\mathcal{O}_{\mathcal{A}}} + \hat{\mathcal{T}}_{\mathcal{O}_{\mathcal{A}}}$$

$$\{(g_{\underline{k}}^{*})_{k}=[k]\cdot (\{a\in \mathbb{R}^{2}\}_{\underline{k}}^{*})$$

$$S(0, 1 - \sqrt{3} - (5 + 1))/22 = 400$$
.

$$\Box x_1 x = y_1 x^2 = 0$$

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$$\begin{split} T^{(n)} & \stackrel{(A,B)}{=} a = 0 \quad A^{(n)} & \quad B^{(n)} = \{ (x, B^{(n)}) : \ (A^{(n)} + x, B^{(n)}) : \ (A^{(n)} + x, B^{(n)}) \\ & \quad = 0 \quad x \quad B^{(n)} = 1 \quad B^{(n)} \quad A^{(n)} = \frac{1}{2} x^{(n)} \end{split}$$

Learne at

$$\begin{array}{lll} (2.7 & 1.4 & 1.487 & 2.1011 & 1.481 & 2.189 \\ & (2.100 & 1.018 & 2.18 \\ & (2.1029 & 1.04 & 2.418 & 2.189 & 2.189 & 2.189 \\ & (2.874275) \end{array}$$

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$$\begin{array}{cccc} v_{2} &= 1.2 + (7)_{p} & (10)_{p} \\ &= 2.15 & 2.1 & (3)_{p} & (27)_{p} \end{array}$$

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 $0 = \log \log n$ (ii) $\log n$ at $n \leq n + 3$ (iii) $1 \leq n \leq n$ with often the blods are received, the rand es- $\exists a_{ij} a_{ij} a_{ij} \in \mathbb{R}^{d}$ =. Standard one igodine is bod.

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$$\begin{array}{lll} \log (1 + (1/2) \times (1/2) \times (2 \times 2 \times 5 \times 5) & \text{if } i \in \mathbb{R}^{11}, \\ \log (1 + (1/2) \times (2 \times 5) \times (1/2) & \text{if } i \in \mathbb{R}^{11}. \end{array}$$

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		$\chi = \log \left(\mathrm{CMol}\left((2 + \sqrt{\epsilon} \right) \mathrm{cmol} (2 + \sqrt{\epsilon}) \right) $
	_	$f = \frac{1}{2} \left(\frac{1}{2} - \frac{1}{2} \right) \left(y + \frac{1}{2} \right) \left(\frac{1}{2} - \frac{1}{2} \right)^{2}$
		$ x = (g(x)^2)^2 + (f(x)^2)^2$
	-	$q_{Q_{i}} \cdot (A + x^{\alpha \alpha}) = 0$
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		$(1 - h^2 + (M + e))(-1 - e)$
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		$(39.44) \left[(3 + 9^{2})^{2} (4^{2} - 4^{2})^{2} \right] = -8 \left[-8 \right]$
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		$(g(x^2 + 2))$ $(66)(x^2 + 2)$
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	∮জসংগ্ৰ •	$\left\{ e^{T}(t):=t^{2}\left(e^{T}(t)\right)^{T}\left(e^{T}(t)\right)^{T}\left(e^{T}(t)\right)^{T}\right\}$
		$\{\Phi(1) = \{(a,b)\}$
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		(10, 10, -10, -10) $(10, 10, -10, 10, -10)$
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		and the same below the first of

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Ans (a)
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48 - and the LOM of \mu in 30 0 0 \mu _{200} _{1000} _{1000}
               (2x^2 + 7x + 3) \ge 6.5
               (x_1, y_2, \dots, y_n) \in A(0, (x_n + 1))
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               (y) = (2x - 1)(y + 3)(3x + 4).
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$$\operatorname{Max}(x,y) = \frac{\partial x}{\partial x} + \operatorname{square} \left(\frac{\partial x}{\partial x} + \frac{\partial y}{\partial y} + \frac{\partial y}{\partial y} \right)$$

Contractions for the matrix $\mathbf{h}_{\mathbf{k}} = [-\gamma \gamma]$

$$\frac{9}{10} (a) \cdot \frac{a}{200} \times \frac{a}{100}$$

Further latters $\frac{1}{8}$ or $\frac{8}{100}$, $\epsilon, \frac{2/\epsilon}{100}$ and disconst

 $\label{eq:problem} \text{gauge} for more = \text{make} \frac{F \, \text{tw}}{1.0}$

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- $\sqrt{g} = 2\pi G_1 + 2\pi G_2 + 2\pi G_3 + 2\pi G_4 + 2\pi$
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$$\operatorname{BROW}: \left(\frac{1}{1-\frac{1}{2}} \int_{\mathbb{R}^n} \mathbf{x} \, d\tilde{x} \right) = \operatorname{Fig. 50000}.$$

Hitmson gails

$$\mathcal{SS}(0) \times \left(\frac{1}{|B|} \right) = \mathbb{S}(1) \mathcal{S}(0)$$

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$= \frac{\frac{35}{35}}{\frac{7}{1 - \sqrt{0.37} - \frac{1}{9^{-\frac{1}{2}}}}}$	—· 漢 - Y
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्री एक अन्य क्रिकेश्वर वर्ष स्टब्स्ट स्टब्स्स स्टब्स्स [12] : 1

දී දැනි - Mental Sittle same intigit of the Autobal the Gregory Tales with the continuant forthing 11411,.....

1891 1

65.9

 $(C) \sim \frac{1}{2\pi^2} : \operatorname{max} \operatorname{max}_{\mathcal{D}_{\mathcal{C}}}(\omega)$

is offici

- ्षे । 1699 i estat signerar ha la cillion mager sy ? Fig. b. His massed Lymphosis . $\tau \approx (\epsilon_0, \epsilon_0 \xi)$ Deberation 3.

4:5

m; 🤄

- We who in the other water pathod by wish
 - $(\alpha_1,\beta_1)^2 + N =$

(ii) 17 v 12 t

流が変数

_1.1: 1. - x !: 1:

S. Wild shell should be shall

r<u>i</u>ja i

25

#5 3

9. A concessive dy application of an exist-it twill they cave are other there are some only Find the consideration $D = \sqrt{2} \sin(k) \ln k \log k$

81.5

1... 4

alı F

10. What is the invariant of $|\mathbf{v}| = (1!, 1.2!, 1.2!)$

 $M_{\rm c} \approx 1000$ M_{\odot} and whose they from

241

(1)

300 8

31.3

The add Alic formod by second gastness (I) and ober-Logitha in Corpus, in moderant the Let. CF Υ fugures timbers in the scale, $s(s) = s \gamma s(s) \pm s$ $100.035 \pm 0.051, 0.8443 \pm 0.006$ is the heavy (3.9, 3.9, 3.9, 3.9)

e 1 (c)

- ' E

ជាកា ស្ថា

133

- 19 hetpailing be pertopintego as with more presenand $y \approx a \exp(w) d = -1 \log y$
 - (a) v illusa martia a reveni pege

- CONTRACTOR OF BASE
- the paradomestic resistance ($t \geq 3 \, \rm kpc)$
- S = 3/L . The 1926×1926 with the same $r_{\rm co}$ which is a non-engage 10%

20.00

:1 ...

14 Wath a Birth Light in special company in cases. a protection of all the series above per do her and condition of Shape

4.5 1

 $B_{ij}^{*} = i$

:d: 3

- Notice a south a security of southings.

 - 4. x i. 0.1.1
 - 3 i vije dje vikla bevojata noslag z

Hoak lang Bong Codens Sicobork

251 1.5

: 1<u>L</u>

21 1

33 33

44 (1414) 91 Heave I u saray tomorror Warm of V

 $\hat{G}_{N}=\hat{G}(P_{N})$

10: 23:

in disc

14): 407

specified as 67

- 10 37
- Pu 3:
- 25 49
- 111.35
- 18. A postou resientifickels, nan bestalltern ind 190 A contain blocks and througholders also like the ϵ ϵ ϵ motive account in the almite as at the contraction yi→ Calif enumber or the find take. Wext to to Wowlfeel Ecka Ligaring sense percent as to reflect to left.
- 11 97
- Note that the number of the base many values of N

emorphose bit so of $\pm \alpha$: $\frac{(A^2 + A)A^2 + 24 + 34}{24} = \frac{3}{2}$ is a $8 \times 3 + 4$

Bollinski mna 2.

- ne: E
- iet e
- 20 What is the Job, 361, 6633° v 27° v 361°
 - 191 2
- 900 4
- řet E
- Haw heavy number of series are there in we multiply. all J eleminor suppose parada $\sigma \sigma$ and $\partial \sigma \sigma$
- 1:a %
- 22. kumun ka bada) merantura termitaka saambah am n a conce Weblief Highters(* vilgi, : Little interes).
 - [=i 1
- A 2
- 3i S
- 13) u
- $23. \text{ M} \simeq 6(6+1) \left(3 + 2 \right) \left(3 \times 3 \right) \left(3 + 3 \right)$ where α is a Saná no rices. Wirong kielot obrig stotomocástay trac?
 - L. Lindbugn of N S C
 - 2 1.13 palled ly (Majore by 2)
 - It a respect square.
 - Purpled
 - ict Books
- itti ikkeedid oo lo
- nd 1949
- (C. 1993 2 over
- 24. How many factors (4)
 - $k = 12^{11} \times 14^{11} \times 15^{11}$ be multiple at
 - $j_{\rm e} = -0.10 \approx 5 \underline{a} (0, \chi, \pi) \in C$
 - (at $P = 4 \times 5$) $\S(18 \times 3 \times 5)$
 - 36 CAR 1 (4) 15 (1) 15 (5) 20 (6) 15

- 55. In a de la nita su
 - 10 4 1 2 4 H402 #acc
 - ØI (J. 8), e samuf (M2 + 582), matitude
- 160 1014
- g: 41%
- 3:0 1026
- 20. Miletia Seremayytar when a
- ::: 1
- 201 2

Salutions.

1. (4)

Method (i) $\frac{12\sqrt{100}}{\sqrt{100}} = \frac{2}{9 + 2.55}$ ground action

 $= \frac{1}{4} (2 \sqrt{8}) + \frac{3}{34} \sqrt{3} \sqrt{\frac{3 + \sqrt{3}}{3 + \sqrt{3}}}$

 $\frac{1}{2\pi i \sqrt{50}} \cdot \frac{(3 \sqrt{6} - 3 \sqrt{6})}{(3^2 + (1\sqrt{6}))}$

 $= \frac{1}{2} (2\pi i b) + \frac{2\beta - 2\sqrt{b}}{6\pi - b^2}$

 $\sqrt{(y_0^2)^2} \overline{(x_1, \dots, y_{N-1}, y_{N-1})}$

₹01×4×,¢% - 27 × 12√ ×

 $=\sqrt{19 A_0^2 + 2 x + 19 A_0^2}$

- 371-07

Allemative ¥ethau

 $\frac{V}{4} S_3 33 + \frac{3}{2 + 4 \sqrt{2}} \frac{V}{2}$

 $p_0(\overline{G}) = p_0(\overline{G}) + 2C$

 $cod = -\frac{3}{a\cos 2s} < 1$

True. $= \frac{1}{2} \frac{\sqrt{32}}{32} + \frac{9}{2} \frac{9}{3336} = \sqrt{9}\sqrt{9}$

 $\sim 3000 \times 300$

$$W = \frac{\lambda_0}{\lambda_0} = C \lambda_0 ...$$

$$- - \lambda_1 e^{i\phi}$$

$$|_{\mathcal{L}^{p}} = |_{\mathcal{L}^{p}} = |_{\mathcal{L}^{p}} |_{\mathcal{L}^{p}}$$

كالمراوعة فيعولون

$$z_{22} = z_{22} = 25.40$$

 $g_{1}, \phi_{2} \in \mathbb{R}^{d}$, which is the contraction of

, a. (b)

ou Ly Sil

Tarif ami, 11 km, 11 50 ffaat op 9 scalesty = 5.

(7, -(5))

$$8d = \frac{1}{27^{d}}$$

 $\Rightarrow \qquad 807 = 1.47$

$$|T'| = |\Delta'|$$

$$\mathcal{G}_{\mathcal{F}} = \{ \{ x \in \mathcal{G}_{\mathcal{F}} \mid x \in \mathcal{G}_{\mathcal{F}} \} \mid x \in \mathcal{G}_{\mathcal{F}} \}$$

I:. 14.1

$$-3 = -\frac{3}{33} \approx \frac{1}{3} + \frac{1}{23} + \frac{7}{33}$$

$$y = -3 + \frac{1}{10} \times \frac{1}{32} + \frac{1}{32} \times \frac{1}{35}$$

$$\Rightarrow \qquad \left[-\frac{1}{2} - \frac{1}{2} \right] = 1 - 10$$

$$CR = \frac{1}{3} \times 2 \frac{\pi}{28} \times \frac{\pi}{28} \times \frac{\pi}{28} \times \frac{\pi}{33} \times \frac{\pi}{33} \times \frac{\pi}{33}$$

$$||S|| = \frac{1}{91} \cdot \frac{3}{92} \cdot \frac{3}{92} \cdot \frac{3}{92}$$

$$\pi_{1} = \frac{1}{31} * \frac{1}{32} * \frac{1}{33} * \dots = \frac{1}{13}.$$

$$\Gamma = 10$$

f., (2)

, wo of igains of

$$2.3 \times 10^{12} \cdot 2^{12} = 10.7$$

$$z_1 + z_2 \ge 5 - \epsilon 2 - (\epsilon + \epsilon^2)^2 \ge i(1)$$

$$-4 \qquad \qquad x = 2 - y - 5 - y.$$

 S_{40} to go (i.g.) in the where -3

Alga Jake Wernod

$$s^2 + (3)^2 + 2(9)(9)(6 + 3) + 6 = i42$$

$$p^2 = 27 + 277 + 976 + 56 = 1.76$$

$$1 - 2^{-2} + 2^{-2} = 300 + 30$$

$$-17 \cdot M \cdot M \cdot C = 0$$

$$x = (x + \xi)(y + 2) = 0$$

··· indicated 1,
$$\xi$$
, ε : $-\xi$: $-\xi$

State sum =
$$7.006 \times -7$$

7. (c)

(u.) gʻiqiş larga boqqalboqiqii

$$(g_{ij}^{\mu})_{ij} = (21.5 \pm 0.1) \times (21.5 \pm 0.1)$$

$$\hat{\mathbf{g}}(t) = \frac{1}{2} \times (\hat{\mathbf{g}}^2 \times \hat{\mathbf{g}})^2 + 2^{(12) \times 12}$$

1: Is, farmout =
$$\sqrt{4} + 4 \times 14$$
.

$$\hat{y}_1$$
 and $\hat{y}_2 = (3.13 \pm 3.85 \pm 3.85)$

$$s_{1} = -\frac{32 \times 75}{32 \times 75} = \frac{32 \times 75 \times 35}{32 \times 35} = \frac{312}{32}$$

¥

T_{all}uy winda kan arak sa adada.∋ . Ya i tib agii 71 5⁷⁷

$$= -4744 \text{ even} \frac{\pi^{-1}}{2} - (-1)^{2}$$

$$\sigma = -\frac{\sigma_{\rm sc} \pi^2 \frac{\sigma^2}{2} \cdot 1 \cdot \frac{1}{\sigma} \cdot \frac{\sigma^2}{2}}{\sigma^2}$$

The state is important, restauranceurs, denoted by ma gi sigh ag krist nord bromutae. Jigit bil narebet.

nt magnatifactors.

$$116 \cdot 1000 \cdot 1001 \times 1000 = 0 = 1000$$

1 :

` <u>:i!</u>

21

Here
$$\frac{[n]}{6} = 4$$
. Fun $\frac{3^2}{6} = 6$.
Here $\frac{[n]^2 - 3^2}{6} = \frac{[n] - 5}{6}$.
 $= \frac{[n] \cdot [36]}{6}$.

$$:= \operatorname{Colo}\left(\frac{1}{4}, \frac{3}{3}\right) + \operatorname{Sim}\left(\frac{9}{6}\right) = 0$$

U. (a)

 $A(L(M), n, n) \leq S(L(L(n), n), (n, n))$

Albertaine in a carbin

 0.21 ± 0.0 d. Dealtware after large state, and stight as 0

$$\mathbf{u} = \{y\}$$

 $|\mathbf{c}| = \{0, 0, 0, 50\}_{10}$

John Mails of all land of

Here $t \in \mathbb{N} \times \mathbb{N} \times \mathbb{N} = 1$, then the following is the constant of the first term of the second of the sec

11. (c)

erathern diguality and sanish at the common DAINNee harveton nimbo

 $\forall i \in \mathbb{N} \ (i \in \mathbb{N} \ (\mathbb{N}_{p}, \mathbf{w}_i = \{i\}_{i \in \mathbb{N}}, ..., i = 1\}$

Lord $\mathbb{H}^{-1}(\mathbb{Q}^n_{\mathbb{Q}})$

Показальная

Participating authorizing again

94 No. 3 Pt. 25 a popular member.

(6) 1 5x25taller 75x45v25 5y21P(1919) 1yet

(d)

 $(H_{1})_{i \in I} (H_{2}, \eta)$

(6)
$$y = 10, x = 2$$

= $10, y = 3, -3$

$$\frac{2\pi i}{z} = \frac{\gamma + \gamma}{z} = i \cdot \frac{\gamma}{z}$$

$$\gamma = 0 \cdot i + is$$

$$1 = \frac{\gamma}{\gamma} = 1 \cdot 2 \cdot i + i \cdot z$$

(a)
$$(1 - y) = 10 - 2 = 12 - X$$

ɗay Nor⊌ Sisterniahaa.

$$L_{\rm L} \approx \left| \frac{(4.04) \cdot (4.2) \cdot (4.2)}{c_0} \right|^2 \frac{4.2}{c_0} = 0$$

$$\Rightarrow -\epsilon_{\mathbf{K}} \sim \frac{\operatorname{free}(\operatorname{DMS})}{1+\varepsilon_{\mathbf{K}}} \sim \operatorname{Kard} \sim \frac{1+\varepsilon_{\mathbf{K}}}{1+\varepsilon_{\mathbf{K}}}$$

$$|\mathbf{p}_{\mathsf{H}}| = \sup_{\mathbf{S}} \left\{ \frac{\mathbf{e}^{\mathsf{S}}}{2} + \sup_{\mathbf{S}} \left\{ \mathbf{e}^{\mathsf{S}} \right\} \right\}$$

$$V = 80 \cdot 5 = 38$$

$$V = \frac{1}{12} = \frac{2}{3} \cdot \frac{1}{12} \cdot$$

$$=_{\mathbb{T}} (\mathcal{A}_{\mathbb{T}}, \ldots, \mathcal{A}_{\mathbb{T}})$$

⇒ Khuyi da 55.

15 (d:

Nimber are flog produced is

$$m = \frac{244}{5} \left(\frac{19 \times 1009}{6} \right) = 1.3$$

165 0 M MAN is an engine truth that at 7.

This route is number the alean, indiges

$$5 - 7 = 14.5$$

michaelom II se si 7

$$1.7 - 16 - 3 = 121 \text{ cm} 3.15$$

18 (4)

Characters de para la rende la lici

$$\sigma(I) = Ad\sigma_{I} + \gamma_{I} + \cdots$$

$$m = -10090 \cdot 100 \cdot 1000$$

$$= 2.453 \mathrm{Hz}$$
 in a 17%

Secure Use accompanies (\$150), given operati

14.1(2)

[*. 11 We 483]

Homen A. Was end Programme

$$167 = U - (r - 1)^r$$

loe, 13 4671 (11,1539,719,49.)

Total
$$\frac{50}{2} = 19 \text{ point}$$

All and the beginning to

 3 AWC 16T (486) very finderson about some on a $_{\rm S}$

hatta sucomini sa sa

 $(24.95)^{2}(34.85)^{2}(14.96)^{2}(14.26)^{2}_{1} = \frac{1}{2}$

1:5130

- . f-31
- $10^{\circ} \pm 5 \times 2^{\circ} \pm 0.004975$
- $\hat{\mathfrak{g}}(\gamma) \approx 2 \times 8 \times 2 \times 6$ with
- (4.5) But Diposition
- ig. (c)

Simple A

$$\frac{(80)^{3} \cdot \frac{287^{3} + 14^{11/3} + 16}{14}}{16} = 24 + 8666 + 144 + 3666$$

 $g_{A} = -(M + B) M^{2} + 2N + \frac{M}{N}$

 $||f_{i}||_{L^{\infty}} \approx 2.34, (26.45) \approx 0.00, (1.45) \approx 0.00, (1.45) \approx 0.00$

New sharmant in bloods, belower 5.74.

 $Q = \langle N - N \rangle^{-1}$

Todays = $1 \times 2 \times 8$

. Çikgir aşıdan berraktır evildi.

- ; **2**0. (c)
 - J. Hotalton

-300 imes 772 imes 374

The digit of $(8.11 \times 7.27 \times 8.121)$

7.6-3 (FE)

 $\frac{1}{2}$ 18 . So $\frac{1}{2}$ = 0 = 0.05 dg L

21 (n)

Number of the state of the standard sectors of the sta

დეს 1. ანგუქ1-4 %

This wildon to display by the with Math. Cash Se

- $-22 i g_{\rm CC}$
 - 168 C.C

C is digital into a finite (x,y) = 0

. We will again transit if θ and $\theta=0.05$ and

istra vigje vyedni, geler vij

Submit 20 \times 2 and the gas weight to sequence which can be also set 100 and .

ikomogitsgar garren volertil væled boblet libe. Kanadarsk

PORT CONTRACT ALIGN SEE ARTHUR SEE SEE

herea $1.0^{4} < q + c + 1.00 <$

Richita a sicesci Goran II 28.

. Now, till forgin krall alle til fri atgit at lav hall bli å k

23. (4.)

ją urojau i jenikami. Bylie eki jamobato ši kontokajueno tar

Thus solution by $\epsilon=100$

 $so_{i}(j)$ or judgit σ to $\mathsf{IR}.\mathsf{I}$. .

- (6) Youth reduced any first #32.
- (ii) Higgs Marting are not IBAH.
- والمعالمة والمحرور والمراج

Enjagen two jiroda

الك يوت

 $N = 100 \times M_{\odot} \cdot 10^{-3}$

 $= (\mathbb{S}^2 \times \mathcal{S}_i^{(1)} \otimes (\mathbb{S} \times \mathbf{z})^{(1)} \otimes (\mathbb{S} \times \mathbf{S})^{(2)}$

- $(1+2)^{2} \times 5^{12} \times 2^{12} \times 2^{14} \times 2^{14} \times 10^{14} \times 3^{12}$
- 1.98 ± 0.0 ± 0.0 ± 0.0

 $\mathbb{Z}_{2^{N-N}}$) and π the π^{NN} $\mathbb{Z}_{2^{N-N}}$ $\mathbb{Z}_{2^{N-N}}$

If Care according without and place a place

 $(a,b) = (a^{-1} \otimes a^{-1} \otimes a^{-1} \otimes a^{-1} \otimes a^{-1})^{-1} \otimes a^{-1} \otimes a^{-$

will be on $\mathbb{Z}[x,\mathcal{I}] \times \mathbb{I}(x,\mathcal{I}(1)) \times \mathbb{I}(\mathcal{I}(1))$

- 923.6x
- 25. (b):

livir_

2.4

- nr.

The $p_{i,j}(y_i)$ of $i,j \in \mathbb{N}$ is possible asset.

Thus we have such a $\approx 10000\,\mathrm{g}$

14.2

<u>l: 1 ,</u>

28 111

, er foll viskerhel voor weer voor til de sittlij. In giber e

For an object $\overline{\tau}^{n-1}$ get $\mathcal{D}_{T}^{(n)}$ from

$$\operatorname{Advertigan}\left(\frac{1}{2} \frac{1}{d} + \left(-1\right)^{\frac{1}{2}}\right) = -\left(-1\right)^{\frac{1}{2}}$$

 $-(1/6)\Pi(p_{0}(\xi))$ form that

 $= \sqrt{16} \sqrt{2}$ CP (1.18 + $\sqrt{2}$ = $\frac{1}{2}$

So
$$\operatorname{Hom}^{-\frac{n-1}{2}}\left(-\frac{n}{2}\right) = 0$$
 of Hom^{-1}



Percentage

The time proposition is seen the value of the secure of the control of propositions in a secure of the composition of with against by taking the domain control of as 100.

The purpose of populating in any leaf in new purity 8 th above and 8 the all plants and the proposed by where every legic roll has to be leafly is vessed on relativity.

Calculation of Sereoutege.

- As we broad to person counts the service of a bund of the person leading segrected by
 - $\frac{265.15}{2.495 \, \mathrm{cm} \, \mathrm{s}^{-10}} < 10$
 - The 5666 Ting field as to be keen mant is maintained which

Hospitalia de Alfrection

Analte saud lings om nod represente in three different fort kann remnisk upprovint to make a noter tetera mich Heielste some op contents in her bokste stalld differentent

5 com	e totak bilimi T	Terrinalisans I
\$\$ - 4	 -:	(A).
næ4	i V	্র
23%	٠.	(1.75)
25%	<u>.</u>	820
1887.		9.76

avcet folled lighted

Multiplicate for to is despitually work another or granting flue to not usually and to should have in a congress study his addition on a single property or more areas to see

- mode in an inter-state of the group of the an
- -cubility in 2001 do 30% regres of the $\frac{90}{100}$, $\frac{1}{1}$, $\frac{1}{1}$
- Higgs of 200. I are all those values, are jugmatiples, or be well-these anth-200.
- Matic cation for operatory through when we have considered as the requestion of a control of the section of the

Skar, D'er i

Á Cum 1677 1990 Is In S ≈ s⇔ Ley 7556 tigen when yil no lien t⇔v guar úty?

Solubien.

One it highway tan dalak ta in diba, was of works.

$$\frac{\partial h}{\partial t}$$
 x 2000 \pm 1500

and nonlinear explanting will the 200 \pm 150 \pm 250 million contributes way at 150 \pm 50 \pm 150 \pm 60 \pm 60

Softies etvictor fin scomma.

$$\left[14\frac{5}{4} \right] \times 990 = 350$$

$$C = (1 + 0.25) + 200 + 0.22$$

These $\left(1,\frac{3}{4}\right)$ and $\left(1+6.7$ at are an introduced

šadors luku si nodorimo dovompiatę ir vije gylini. Polsary

Example 2

Accoming WS Petrol to respect by some contactings in the contact of St. Figure 1. By the content of sections (2) increases:

Seletion.

- Nittle (verkin) with at
- 100 s Middlelying TappredF) ± 386.

$$\frac{1}{(2\pi)^{3}} N\Gamma = \frac{380}{300} = 1 = 9 + \frac{3}{5}$$

ញ្ញីផ្នុំត្រា_{ងសារ}សារបាល ក្រៅនៃប្រាជាសេស នេះការបាលនេះ

$$\frac{dS}{ds^2} = \frac{1}{8} (20 \text{ in sect since } 20 \text{ for})$$

 $g_{\rm L}$, remarks to the matter state of $1000 {\rm km}$

Successive Percentage Oner go

 $\frac{1}{100}$ is present to the call lags sharing a some conclusive into the background state at which the call supports that the $\frac{1}{100} (1.5)$ is the call at the call place of the established $\frac{1}{100} (1.5)$.

្នាំ មិនមួយប្រជា

Appliantly 500 bid accepted by 20%. The increase degrees a Psy 10%. End but the increase degrees a region?

The many accepted appliant of the first particle accepted as a region?

ខណៈមន្តិ ខ្លួររូវភាព។.

子の神師

233.9

0.713

كالكواويو

, with with the peak set if γ 20%, it is defined $(000)^{3}$ λ_{1} on

$$= 300 \left(1 + \frac{1}{2}\right)$$
 (New this new cylindity is decreaded

 b)*10% Gottle Narque attakih ber 1805 (20), tri utti

$$\varphi = \left[\frac{\tau}{3000} \frac{1}{\sqrt{3}} \frac{1}{\sqrt{3}} \frac{1}{\sqrt{3}} + \frac{1}{\sqrt{3}} \frac{\sqrt{3}}{\sqrt{3}} \right]$$

0. 950- 0000 Just

$$\frac{\text{curtag}}{\cos \pi s} = e^{-1.000} \left(11 \frac{1}{60} \right).$$

36 Abundan constraints and Heading (138): $\frac{1}{50}$

Ucicines in de Wayn карыжы, нь 6% југага д i she comus 550

56 Theil belong thony the transplant of the skerped front in autobessive percentage changes, the null plying factors are multiplied birootly. So liberon metables, Lead destact is The Automatic Sessive percentage change the average representation of a subsequence of gray the conescorology with a program.

 $0.00447\,\mathrm{cm}$, with the field of the dealers as

ປະເທດ Companizor Loading to the Base Charge

Sanctimes whence the percentage compared two traiting to the collection of the percentage of the percentage of a figure and the percentage of the percentage

Example 1.

The sample Bratoves increased by \$12. But \$100 for the residence that recting a Bratoves discount has an province section and the recting the released to the recting a section of the recting of the rec

So alica

, all in easy the to affailting to a visit \mathbb{Q}_{A} . Heavy substitute in the note of the space γ

now in a bubbly was again load sessed from year conditionated to the only is proportisgly grange Haggarisas flat

$$|\mu| \leq \left(\log \frac{d(t)}{\log t} \right) \epsilon$$

$$\cdot = y = \left(1 - \frac{y}{2}\right) x$$

$$|\chi_{0}\rangle_{+}=\frac{\eta}{2}g$$

$$\nabla = \lambda = \left[-\frac{2\pi}{2\pi} \delta \right]$$

by each and the limit is optional than the explany ϕ

Bamia na atmoniaga sa kala $(x^{\prime})^{\prime\prime}$ whice is

$$\frac{2}{7} = C^{2} V(x_{1}, 27.95) V_{1}$$

Тиштр е 2.

The religious of the project of the Religious of the latter of the project of the religious of the project of t

For iller

to example the processes for all process with the

 $\Delta(G) \times \Sigma(X, G) \cap \{(G, G) : \exists G \in G_{G}(G)\}$

$$(\omega_{ij}) = \operatorname{color} (\operatorname{color} (\operatorname{c$$

Now a collection
$$\Phi \left(1) \left(\frac{\mu}{100} \right) \Gamma = \frac{11}{10} \Gamma$$
.

Then it alcohold votion =
$$\frac{1}{46} \left[\frac{10}{2} \left(\frac{v}{P} \right) \right]$$

2.

7

of the leaf state H of not contain the great φ_{R} by

and some one will be
$$\left(1 - \frac{3}{11}\right)$$
 as $\frac{3}{11}$ part

The series exposition with the $\frac{1}{11}$ (100 - 0.00%).

Alternations: the artiple personal kings

$$=\frac{100}{300} \times 10^{10} \ \mathrm{erg \cdot erg \cdot e$$

Example 8.

Inspire electromes nor sectify 20% After is easswire 20% piecent fildburge und angen Industria are verova

Salution

Tier build between motor

$$\left[\frac{1}{2} + \frac{300}{100} \right] \left(1 + \frac{300}{100} \right)$$

$$0.1.2\times0.0=0.83$$

Mode constanting schools of

$$=0.04 \times 100 = 40$$
 recognise

Taannolakti

Di 17 ta Sila Sahirer & arabinya isitza lo Nom and product and interest enterested they find the figure or per it makes on by 20%. From but we get for seriege, preingern ind not befolgende en facto .. --:

Sa car.

pel i promovo i respektivi sensito s

Toa tribe – Eri

 $c(t+3)\delta(s)(\log s)\log g = (1+3)\delta(s-1)/2g$

Noe price of grupped of the

 $|h(x)| \le h(x - 1) + 2h(x/2h)$

Sucha go = 5% teo email:

Яж**ал**т эle 5..

 Kiech provides 1st 85% production in dictrit. Witdo Instinat Moon, burges the suppession? di cocci ni al 2005, ana 3005, ini mini dinerni leve il li e f ode it for 400 special to not seed a soft

Seletion.

or the price graties so -

$$\sigma(r) = 0.03 \pm 0.04 \pm 0.05$$

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Horistic appearance by Lie

$$10.4 \times 0.7 y = 0.13y$$

There is the control to the sale

Example of Eu

RAM and Hisphale single-seep by 118. Fild out menet policy again promoting the solution.

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il an ollice 40% almo amproved air malrowaid Contains analysis seems (ex. 0.858) for sit. Stell Striet in the Little and Shipping of granter terrale ni lici ettata

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	[المن	$\mathbb{P}[r_{i+1} \cap [j, n] = \mathbb{P}(i)]$			1:5.

Sometiments of
$$\frac{\partial P}{\partial x^2} \in \mathbb{N}$$
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go vnd resamblet

 $\frac{1}{2\pi}[q_{2},q_{1}]$) and $g_{2}(q_{2})$ in the $g_{2}(q_{2})$ in the $g_{2}(q_{2})$

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 - g(r) = g(200 + 40)
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$$=\frac{2}{100} (s \pm 0.00) (s \pm 0.00)$$

$$-\frac{1}{127} \approx (0.0001353) \%$$

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- 200 (a)
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 - $\gamma_{\rm MS} = 25$ to two spins roughly Scalabotant. econocida.

$$12 \frac{2c}{100^{100}} \approx 100 - 200^{-2}$$

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$$=\frac{90.01}{300}\frac{20}{8}\times 1000+8008$$

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 - (A) ATT LOST
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- Ans. (a)
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$$\label{eq:condition} \mathcal{L}(R) \approx 223 \, \mathrm{s}^{-1} + \frac{35}{100} \, \mathrm{s}(M = 23) \, \mathrm{d}_{\mathrm{B}} \, \mathrm{H}$$

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$$\sum_{k=1}^{n} \frac{1}{k!} = 1, 0 = 10^{n}$$

- $(0,0) = 0.1, \cdots 40.1, 9.9$
- (a_1, \dots, a_m)
- $t = t \log t_0 \log t_0$ from the hybrid of the free condition the configurations by Demond 2014 Reports as $(i_0)_{i\in [r]}$ with degree s (i in the cost i J r r r, as a long group for some informal in a growth of \mathcal{M}^{\bullet}
- 1. 3:1.
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$$p_{AB}(y) = 16 \cdot p_{AB} = 26$$

$$\Rightarrow t = 0$$
 and $t = \left(x + x + \frac{x^2}{2}\right)$

_104200 ⁽⁰⁾ | ⁰ | 22

- 8. Tito engra processora en han esta any munito source родин цения мер института до 100 и бака, пра 040 propositivate i ne storijosta daga iznaga in tra voluntario" Signatura di
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$$\begin{aligned} v &= I \left[10 \frac{10^{-1}}{100} \left[2 x \right] 1 + \frac{20}{300} \right] + \sqrt{1 + \frac{60}{100}} \\ & + 100 \left[3 x \right] 2 x \end{aligned}$$

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$$= \frac{\frac{3}{3} e}{3 \cdot 4 a} = \frac{8 E}{8 a} = 187 \cdot 3 \cdot 4 \frac{1}{3}$$

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- Ans. (c)

$$\frac{22}{12}(g = 3) \otimes (g') \otimes g' + c'$$

$$N(x, \theta) \sim \frac{10}{10^3} x + \epsilon$$

$$m = \frac{m_D}{100} \times 1.070$$

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Ars. Lit

$$2 - 10000 \text{ m} - 1000 \text{ m} = 2000$$

Ngora, anati, is ai diofini diyear

$$P_1^2 = \frac{1}{100} \left(\frac{2}{100} \right) \left(\frac{2}{100} \right) \left(\frac{2}{100} \right)$$

$$= 3000 \left(-8 \frac{39}{100} \right) \left(1 + \frac{5}{100} \right) \left(1 + \frac{23}{100} \right)$$

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$$M_{\rm BH, LP}$$
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Halven Valks for
$$\frac{80}{100}$$
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$$44.1734 eg + 58.45 = \frac{1440}{9000} \times 133 = 723.$$

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$$\frac{184111}{190} + \frac{(3330 + 4) \times (34)}{90} = 0.999$$

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Availability coresponds 259 ie 125.

 $\frac{1}{k_{\rm eff}}$ Violage Section 1930 model to China in Zimim

$$\frac{3}{8} = \frac{7}{100} \times \frac{120}{100} \times 1.65 = 0.135.$$

2000. *** *

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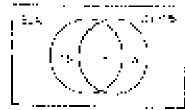
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- A. K. (51)



18% supermanación del cusopos:

 $\hat{\mathcal{S}}$ with degree of $\mathbf{a}(0)$.

 $C(-7) = \{ \gamma_{i+j} \mid \gamma \in \{ S_i \}$

1.5% (710%) = 97%

x(t) = (0,0)

17, 40% of 20% 4,80% of 25% 4,85% at 28% 8; lag avalance.

- 661 141.102
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Acs. (n)

$$\mathbb{E}(|\psi_{0}|_{Q}) \leq 2\beta^{2}_{Q} + \frac{2\beta_{0}}{100} + \frac{2\beta_{0}}{100} + \frac{2\beta_{0}}{100} + 2\beta_{0}$$

$$30\% \text{ of } 25\% \sim \frac{20}{300}, \quad \frac{20}{300} = \frac{7.5}{30} = 2.5\%$$

$$\min_{t \in \mathcal{T}} |f(t)| \leq |f(t)| + \frac{|f(t)|}{|f(t)|} + \frac{|f(t)|}{|f(t)|} + \frac{|f(t)|}{|f(t)|}$$

$$=\frac{4}{100} \approx 14.8$$

5 (MDG 51 DDG = 503) (0.204 = 503 to 28%)

$$-\infty t_0 = \epsilon_0 (\epsilon_0 t_0 + 12 \epsilon_0 + 2 \epsilon_0 \epsilon_0)$$

18 A cranic wegas were decreased by Ms. Che. repriced white ware introduced by J.Pathle had a

- $f_{0}(1) (2.250)$
- 101 (45%)
- 63.20%
- Administracy Transport

Hera, a el sidena y el af

Trainer's dramain wages.

$$= \left(|x|^{-1} + \frac{a(y)^{2}}{f(x)} \right)^{\frac{1}{2}} dy$$

$$-\Big((6.5 \pm 50) + \frac{0.8 + 0.0}{0.0}\Big) \approx 0.008.$$

Hinda the service live, helicias il 1940 il 25%.

19. 10. 40. 2014年6年6月 第二年2月 [184] [184] [184] man in calcooking

- at 20%-
- or 24%
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A13 (6)

46 note 4 5 % fixed 3 \pm 0 million \pm 0 miles 4 \pm 3

Not a chargo menor.

$$= \left(x_1 + \frac{x_2}{2C_2} x_1 \right)$$

$$= \frac{1}{2} (T_{\rm eff} \cdot \sigma_{\rm eff}) \left(\frac{3 (1.14)}{120} \right) (8.14)^{-1} \, {\rm g}. \label{eq:eff_eff}$$

Percentage



- Hamadan a (Cranctor lands the Townson About 10 the second rungs profite compete
 - $h(1) = 2 \frac{1}{2} \delta$
- $(dA)^{-1/3}\frac{d}{d}\lambda_{2}$
- $|\mu\rangle = 16 \frac{1}{2} c_0$
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- $\begin{array}{ll} \mathcal{P} = \{P_1, \dots, g_1, \text{Monthly in the thing was uniformly property and } \\ = 2^{n+2} \cdot 2^{n+2} \text{ into the monthly into the property gas a the transfer of the things.} \end{array}$
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- (c) About $f(\mathbf{J}_{2})$ is
- 3 The production of this product to the particular person age in radio distribution at a strength of the execution of the
 - $(a_i = b_{i+1}^{-2})_{i=1}^{2n}$
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- $\mathbb{R}^{n-1}, \frac{1}{2n} : \mathfrak{g}$
- $(\mathrm{d} f_{\mathrm{e}})^{2} f_{\mathrm{e}} = g_{\mathrm{e}} g_{\mathrm{e}} g_{\mathrm{e}}^{2}$
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 - $(m,R) \in \mathcal{Y}(0)$
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 - $\langle a\rangle = 2 \log \log a_{\rm total}$
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- 7 If Treather assignment asserting of the manufacture of the probability of the contraction.
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$$\frac{\ln a \cdot \det[d]}{d^2} = \frac{1}{2} \left(\frac{1}{2} \right)^2 e^{-\frac{a^2}{4} \frac{a^2}{4}} = \frac{1}{2} \left(\frac{a^2}{4} \right)^2 e^{-\frac{a^2}{4} \frac{a^2}{4}}$$

да. Да. Перспорој во заподитација 2018. Тоге su rei 10. , we provide the proof of the

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 $rac{\mathcal{W}_{i,j}^{(i)}}{\mathcal{W}_{i,j}^{(i)}}$ in turnertic is nonexective 188 CDC. resonant grange so with the second transfer of the second transfer

 $\frac{\partial \mathcal{H}_{\mathrm{collow}}}{\partial \mathcal{H}_{\mathrm{collow}}}$ and is $\frac{1}{\epsilon}$. The explicit mode as

$$2x \cdot \frac{2}{5}$$

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 $j \in \{0, 10\}$

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Seletions

 $10^{10.3500}$ 1. Ana (z)

Hele in a dis-

1. How set shows $\left(\frac{\mathbf{v}}{|\mathbf{v}|} - \frac{\mathbf{v}}{|\mathbf{v}|}\right) = 130 \left[\mathbf{v} \right]$

s udotiš: ا العام الري أعلل عرب Jerrigo Ma

$$= \left(\frac{35}{100 \cdot 400} \times 10^{3}\right) 9 - 16\frac{5}{2} 95.$$

Fig. t = t and $m = \infty$.

$$= \frac{1}{2} \times 100 \text{ little forms at } 1.00 \oplus$$

 $-\frac{2}{3} \leq 2007/3$ Second in Arrodic

edicul# 1 19 30% A second nimbal 5. Art (b).

"ரு**ப்**ருப்தார் தார் (11)

$$=\Big|\frac{1}{-2n+2}\cdot (nn^2 \approx n^{-1})\frac{1}{nn} \otimes .$$

The against a taken at this expression to build a at 1900 and 2008

$$-\frac{1}{1}:=-\frac{3}{100}\Big)\%$$

$$= \frac{1}{4} \left[(2 - 20) \frac{2 \int_{\mathbb{R}} \frac{d (2 + 2)}{2 f(1 + 2)} \right] (6 + 1 - 2 f(2))$$

 $(a \circ a \circ ba) \circ a \circ b = f \circ f \circ b$.

 $v: A mount of the last + Arm (Chr. Reg <math>g_{2}, g_{3}$

n. And Joh

មានសម្រេចក្រុម និសាស សម្រេចក្រុម ប្រជាជាក្រុម ប្រជាជាក្រុម ប្រើប្រជាជាក្រុម ប្រជាជាក្រុម ប្រជាជាកិច្ច ប្រជាជាកិច ប្រជាជាកិច្ច ប្រជាជាកិចិច ប្រជាជាកិច្ច ប្រជាជាកិច្ច ប្រជាជាកិច្ច ប្រជាជាកិច្ច ប្រជាជាកិ 过过多点:10%。

$$= \left(y - y + \frac{xy}{1200} \right)^{\frac{1}{2}}$$

$$\left| \left(-25 + 10 + \frac{33}{24} \frac{\times 10}{100} \right) \right| \leq 2 - 2 \log t$$

 Doduga at the isotions at motives by ne la signoculo

$$938(3) + 605 + \frac{38}{13} \times 1000 = 43(23)$$

Also the usual delició social de la que person dispones (15% a.s., 16%)

$$\left(1+\frac{\sqrt{2}}{2} + \frac{\sqrt{2}}{2}\right) \times \epsilon$$

$$= \frac{1}{4} \left(\frac{1}{12} + \frac{1}{12} + \frac{1}{12} \frac{\sqrt{15}}{100} \right) \left(\frac{1}{12} + \frac{1}{12} + \frac{1}{12} \right)$$

 Discount at the increase much commenter to e notuno produces secon

$$|ST^{\frac{3}{2}}_{\frac{1}{2}}X_{1,1}| \text{ if } i \in \mathbb{N} = \frac{1}{C(n)} \times |SC|^{\frac{1}{2}}$$

- -r. 11, 7, 14

 Cille erge in plicable of Olegod by the ron. SYSTEM AND A HER TONING TOTAL PROCESS.

A 4 (8 (0))

Sirver as coordinated and characteristic

with change in even up :

$$2\left[\left(1-\gamma+\frac{\gamma\gamma}{100}\right)^2\right]$$

$$1 = \frac{1}{2} \left[\frac{10}{2} \cdot \frac{10}{2} - \frac{10}{2} \cdot \frac{10}{2} \right]$$

$$0.00000 \times 1000000 = 0.0000 \times 10000$$

Introduce the peaces to 1%.

2 Ma.(9)

Carcosado y aldo e a pa

... North Lange pares

$$\left[A + \frac{A S}{4 + \frac{A S}{4 + 6}} \right] \approx$$

$$\left(\mathcal{C}(1+\zeta) + \frac{JJ \times JJ_{1}^{2}}{J\mathcal{C}(1)J} \right) \lesssim -10\%$$

The areas of imposped by 4.0%

8 And (8)

So we strought that $t_{\rm c} \approx 0.03$

$$\Delta = Lorent = \left(x + y + \frac{(x^2)^2}{1000} \right) C$$

$$-\frac{1}{10}9, -20 = \frac{3229}{10}$$

But x = 0 and y = 0.0

3% (**) 19%/4/01% (**)

lə. Ans.ib)

Supplied, consumption converging

Het Stick ange in exponditure.

$$\begin{split} &= \left[\left(r + \frac{r}{r} + \frac{r^2}{\ln r^2} \right) dt \right] \\ &= \left[\left(2 (r + 2r) + \frac{(3 \ln r)(r)}{100} \right) dt \right] (r + 2r) f_{\alpha\beta} = 0, \end{split}$$

Laper direction designs by ASC.

THE Arrest (b):

Western, Prince Street Cardinals

The population these stop

$$= \frac{e^{2}}{e^{2}} \cdot \frac{10}{100} \cdot \frac{80.53}{e^{2}} \cdot \frac{10}{100} \cdot \frac{100}{100} \cdot \frac{100}$$

Tale: 3 = 6250 b 1 10, 4 × 10 3 b × 130

r i kulonal literacen herrila ik yaardi

$$\left\| \hat{\mathbf{u}} \left(-\frac{\mathbf{v}}{|\mathbf{u}|^2} \right) \right\| \mathbf{1} + \frac{\mathbf{v}}{|\mathbf{v}|^2} \left\| \mathbf{v} + \frac{\mathbf{v}}{|\mathbf{v}|^2} \right\|$$

$$+6350 \left(1 + \frac{20.077}{60.77}, -\frac{30.0}{100} \left(1 + \frac{30}{100}\right)\right)$$

12 Aug (2).

en Albertre ciúale al la cepcie.

$$|\mathbf{f}(\mathbf{r})| \neq \left(1 + \frac{r}{|\mathbf{f}(\mathbf{r})|}\right) \left(1 + \frac{r}{|\mathbf{f}(\mathbf{r})|}\right) \left(1 + \frac{r}{|\mathbf{f}(\mathbf{r})|}\right)$$

= 778 000 (Given)

Let z = -10, z = -10 and z = -10.

$$\label{eq:condition} |x| = 2 \left(1 + \frac{10 \text{ m}}{100 \text{ kg}} + \frac{10 \text{ m}}{200 \text{ kg}} \left(1 + \frac{10}{100} \right) \right)$$

$$-.590000$$

illo. 745. (c)

Personal extension dispession relevaning to

where
$$t = 80.5 = 80$$
 and $t = 60$

rest de toel nomber of stepano pagesang in vi responsable

$$\omega_{0} = \frac{100}{100} \times 10^{-100} \text{ Mpc} = 200 \times 10^{-100} \frac{1000 \times 100}{100} = 400$$

The 6 has $400 \, \mathrm{Mag}$ thrus appeared in examination

14. Апя, јђј.

Pryc = 100 term = -000

Provide (39.3- , 0.900) a (29-s of 1100)

$$-256 + 513 + 203$$

Å. dr n. ()

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$$\left(\frac{29}{200-20}, 100\right) 7. - 223$$

7, Ans. (8)

$$\begin{aligned} & \exists \forall e \in \frac{1}{2} \sum_{i=1}^{n} \frac{1}{2} \sum_{i$$



№ осци**н** Схого ян. О

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- $\{\hat{y}_{i} \in \mathbf{f}^{*}\} = \{\hat{y}_{i}^{*} : \hat{y}_{i} \in \mathcal{F}_{i}\} = \{\hat{y}_{i}^{*} : \hat{y}_{i}^{*} \in \mathcal{F}_{i}^{*}\}$
- 90) Bt 1500

This property is the transport made get by professional from a regressive wider is its, 600 per guinal, the diagrad $0.13\pm 0.00\, \eta \approx 100\, cms^{-1}$

- $\langle \omega \rangle \gg \langle \xi, u \rangle.$
- 1374 February
- $(0) = \{s_1, s_2, g_2\}$
- 100 Ex 1300

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- की: बाह
- $(\mathcal{A}_{i}) \otimes (\frac{1}{2})_{S_{i}}$
- (44) 190%

P subsequence (a) for three constants which was a $\eta_{\rm c} (n)$ $^{(i,j)}$ and all summable respectively. The $_{2233}$ Personages of history of his equation for the confidence of the responsibility. The hash participate styre is a politic.

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 $\delta = 1/\Delta$ of a factor same solytwichts, then 2% minimize

$$\operatorname{Ind} \left(\frac{2\pi}{2} \Re \left(\phi^{2} \right) \right) = -\frac{2\pi}{3} \operatorname{Re} \left(\frac{2\pi}{3} \operatorname{Re} \left(\phi^{2} \right) \right)$$

$$\hat{q}_{ij} = \frac{\partial}{\partial x_i} \otimes x_i \otimes x_j$$

$$(x, -\frac{x^2}{2} \otimes (x^2))$$
 and Novembers

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- 25. (A provincial of propriod of millions from a matrix.) om or nin 1908 na ina glavja s kosporal, produkt Inergraphic to lock 25% is one for little p condeta nell'algreggia giunti e conamento el 80000 gi na disebugang dibengulah impilit mornio in na year ki
 - (a) $0.0000 \, k_{\odot}$ (b) $0.0000 \, \mathrm{kg}$

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Solu#ous

ស៊ី Gène (ici)

$$\lim_{n \to \infty} |\mathbf{p}_{\mathbf{B}}(\mathbf{p}_$$

$$\frac{3}{(4)^2} \frac{3}{8} \left(\frac{1}{12} + \frac{8}{120} \right) \left(\frac{1}{2} + \frac{1}{20} \right)$$

$$\frac{2 \sin \frac{2\pi}{3}}{5 \cos \frac{2\pi}{3}} = \frac{1}{2 \sin \frac{\pi}{3}} = \frac{1}{2 \sin \frac{\pi}{3}} = \frac{1}{2 \sin \frac{\pi}{3}}.$$

$$||||(-\frac{356}{25} + 152)|| \rightarrow \gamma + (\frac{320 \times 25}{10} + 200)||$$

 $-209 \text{ s.l.} \text{ y} = 300 \Rightarrow \frac{34}{100} \text{ y} = 300$, las 🏋

$$\frac{1}{2} \cos 2\theta = \frac{1}{2} \cos 2\theta = \frac{1}{2} \cos 2\theta$$

$$\frac{1}{100 \log n} = \lim_{n \to \infty} \frac{1}{n} x_n$$

occus quit.

$$-\frac{9}{3} \times \frac{33}{550} \times \frac{9}{5} = \frac{7}{3}$$

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. Gallatines is
$$\phi_{\rm const} = \left[\frac{2\lambda}{\delta}, -\frac{\epsilon}{\delta} \right] = \frac{\epsilon}{\epsilon \delta}$$
.

- A - შანს AA უციდაზეგ გ

$$= -\frac{\left(\frac{2}{3}x - \frac{1}{3}x + \frac{1}{3}\right)^{\frac{3}{2}} \delta_1 + 2^{\frac{3}{2}} \frac{7}{3} \delta_2}{\left(\frac{3}{3}x + \frac{1}{3}\right)^{\frac{3}{2}} \delta_3}$$

4. Ane. (a)

 $\gamma_{\rm ODM} \gamma_{\rm CM} \sim 0.02896.5$ California (COS)

$$= \frac{(-10)}{(3.20)} \times \alpha J \sim \frac{20}{1000} \left[(50.000 \frac{10}{1000} \times 100) \right]$$

$$, \quad j_{i,j} := j_{i,j+1} \in \mathcal{A}_{i,j}$$

$$= \left(\frac{\partial J}{\partial x^{2}} \times ^{2} Y\right] \mathbb{X} = n \times_{J} \mathbb{X}.$$

s. Ans fai

$$\label{eq:condition} \mathbb{D} (S_{0}, \phi^{*})_{A} = \sqrt{S_{0}} (S_{0}, \phi^{*})_{A} \Rightarrow \frac{v}{a_{0}} (S_{0} + \frac{V}{100})_{A} \Rightarrow L$$

$$= \frac{\zeta_{-1}}{(\pi)(\zeta_{-1}^{-1})^{2}} \times \frac{(0,1)}{2\pi} \sqrt{2\pi} \left(\frac{\gamma}{\zeta_{-1}^{-1}}\right) \delta$$

$$|\mathcal{A}(X_{k},Y_{k}')| = \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \right) \right) \right)$$

$$-\left(\frac{17}{2^{n-1}}\int_{\mathbb{R}^n}\left|g_{n}\left(\frac{q_{n}}{2}\right)\right|dx|dx|dx\right)$$

o. Austick

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Milestories includes

$$1 = Q(S_{1} + 2C_{2}) = S_{1} \otimes Q_{1}$$

Minability code in 1994 40 4

1. Both 2000 - Carlon 1.

of kalaring colorer.

$$-3.08 \pm 0.01 \pm 5.02 \pm 0.01$$

$$(y \in S)$$
 angreement of state $y \in S^{1/2}$

7. Ana 190

For
$$x \in Substant$$
 on $B^{\infty} = 0.003$ A^{∞} $B^{\infty} \cap B = 0.003$ A^{∞}

$$\frac{2}{\sqrt{10}}g = \frac{5}{400}(5000 - \epsilon)$$
 for $a = 1500$

A 15, (c).

$$\mathbb{Q}_{A_{i},[A_{i}]} = \left(\frac{16}{1000} \log (900)\right) \log (900) \log (1200) \log 8$$

98.61-49 979

$$\mathrm{green}(\frac{12004}{2000}) \geq 101, \quad 0.05 \geq 280 \pm 28$$

$$Q_{0,1}(Q_{0,2}) = \frac{2Q_{0}}{2Q_{0}} \times SQ_{0}(Q_{0,2}) = 808$$

15 Ans (n)

a, igim numbo bol∡ tubo.

Taggranuss = 70% (1.7 -
$$\frac{r_0}{10}$$
)

Second names:
$$-3.57 \cdot 61.5 \cdot \frac{3.7}{600}$$

Hate stockforder læge

$$= \left(\frac{1}{100} + \frac{1}{100} + \frac{1}{100}\right) \% + \frac{1}{100} \%$$

11 Arc (6)

$$A = \frac{90}{108} A = -\frac{90}{100} C \text{ and } C = \frac{90}{90} D$$

$$y = 4 + \frac{7}{8}A \ln 4 + \frac{4}{8}2 \ln 6 \ln 4 + \frac{6}{4}C.$$

$$R = \frac{10}{8} \times 4800 \pm 4000 \ O = \frac{6}{5} \times 1000 \ OSC$$

$$\forall r_0, \ \beta = \frac{9}{4} \times 220 = 400.$$

Percentage of $D = \left(\frac{230}{220} \times 200\right) 8 = 800 \text{ s}$

12. Ans. (b)

et ; او پاید ۱۹۵۲ مانده از این اور

$$\log_{10} \frac{1888 \, \mathrm{cl}}{3399 \, \mathrm{cd}^{2}} \frac{1}{7} \sim \frac{5}{18} \simeq \frac{159}{339} = \frac{16}{18}$$

$$\exp\left(\frac{\alpha}{2} + \frac{6\pi \epsilon}{2}\right) = \frac{3}{4}$$

18. 4 (a), (b)

Safether in the designal
$$= \left(\frac{13}{1000} + 2300\right) \approx 37.5$$

Fallatin Straubjact =
$$\left(\frac{2p}{3C_0^2}, +2500\right) = -150$$
.

 $[p_{ij}, q_{ij}] = 2 e_{ij} (p_{ij}, q_{ij}, q_{ij}, q_{ij}) + (876 - 2) (5) + 500$ Farada 21 sas cotono (1991 - 27%) − 0 %. ცალექც მანეტი - წვალი სეს ^ქარს $1 + 32 \times 5000 = 1175$.

ាក់ ទាន (១)

ട്യൂട്ടോട്ടെ കാരം – ഒച്ചെ ർച്ച വേദിന്

Not as take
$$-\left(\frac{20}{100} \times 32\right) \cdot \left(\frac{20}{100} \times 2x\right)$$

$$1.4\left(\frac{\sqrt{2}x}{2} + \frac{3x}{4}\right) = \frac{580}{10}.$$

Нам | да допонице

$$=\frac{(|S|^{2})^{2}}{(-1)^{2}}\left(\frac{1}{2}\left(S^{2}\right)^{2}\right)^{2}\times 7820.$$

15. Ans. (e)

Legar on place some linear Country Action at one 15.

 $C_{\rm MBHM}$ gapen than $-\infty$, (100 imes 100):

New exponsitures His (120 \pm 75) \pm 78, 9000.

д. Высказа пекрепов во

$$= \left(\frac{1000}{10000} \times 300\right) \otimes + 108.$$

B yms. (d)

$$72250 \left(1 - \frac{10}{200} \right)^2 = 133100 \times \left(1 - \frac{10}{102} \right)^{10}$$

$$z = \frac{(11)}{(72)} \times \frac{(5)}{(6)} = \frac{(33)}{(723)} = \frac{(33)}{723}$$

$$\dots \left(\frac{11}{g} \right) = \begin{pmatrix} 1 \hat{y}^2 \\ \hat{y} \end{pmatrix} \qquad \Rightarrow n = 3.$$

17. Arts (9)

(an) ranging probability $= \Gamma_{0,0}/k_0^2$. Begin 2011 at 60

$$= \left(\frac{72}{1500}\pi\right)^{1/2}$$

$$\frac{100}{78\pi} = \frac{100}{7} = 30.5 \Rightarrow \frac{0.000}{79\pi} = \frac{1000}{7} = 10.5$$

$$y = -4 \frac{\pm 30}{25.5 \cdot 20}$$

... hogs de/0 (A

$$\pm 78 \left[\begin{array}{c} 79 \times \frac{2160}{10.5 \, (78)} \, [44) + 64.276 j \right]$$

28

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51

ကြိုင်း ကြို့မြှုပ်ပုံမှုပြု မောက်ပေးမေးမြေးများ လျှေကြုံရှားလျှင်း နှင့် for enne in proudth pools.

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Maria. Nga So Romasta gandar Bali 76.

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20. Ans. (₫).

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21. ለ<u>ካ</u>ዴ (b)

Linea un's capile angel

. After sets v = 0.6 , three $T_{\rm M}$ was the various vectors within the . We call the following the first state of the $\mathcal{F}_{2,1}$

$$-1.\frac{g_0}{190} \times 1.00 = 2.00(72.$$

- A413 (a)

with same of a

$$\lambda = -20, \ c = 145, \ \omega_{\rm max} = 180$$

$$F\left[\left(+\frac{y}{120} \right) \right] + \left(\frac{y}{30} \right) \left(+\frac{y}{120} \right) \cos y \cos y$$

$$P\left[\frac{240}{300}\right]: \left[\frac{46}{400}\left(\frac{10}{300}\right) + 0.0000\right]$$

$$Py = 478 = 8987 = 7 = 87000$$

23 Ans (d)

Securities to the language

25% (1 **25** kg lig5 90 % ir.m.

$$=\frac{35 \times 95}{100} + 28 \text{ piggs}$$

 $AAA \approx AAA = 168 + 6 + 6 + 10 + 10 + 64$

Orbitalia 22.5 kg 100 kg ara is regula y

So to worke hitting.

$$\frac{(00)}{22.5} > 000 + 2666.666 \text{ eq.}$$

24 Ars. (a)

งว่าสอดองรัส คลโล (ทั้งหลัง วิษ. 1991

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$$CP \times \frac{1.33}{1.000} + 30^{\circ}$$
 CF = 33.00

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$$-\frac{23.81}{100}$$
 × 100 = 83.5%,

98. Ara. (f)

bella kgi ordina littara.

20% washed away so leigh pringric

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$$\frac{4}{8}$$
 $4.3 \approx 5.05$ for $1\frac{25}{50} \times \frac{4}{8} = \frac{1}{8}$

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20. Aps. (a)

terrical adary in Rock

$$2\left[1 + \frac{3}{100} \left[1 + \frac{9}{100}\right] \left(1 + \frac{\pi}{100}\right) + 3900\right]$$

$$2\left(10,\frac{80}{100}\right)^{11}1 + \frac{90}{100}\left[\left(1 + \frac{24}{100}\right)\right] \left(1 + \frac{24}{100}\right) \left(1 + \frac{24}{100}\right)$$

(Hins significations of a perstinal)

$$F = \frac{(61 - 20)}{100 + 100} \frac{76}{100} + 1200$$

H Pal 8713 21

Profit and Loss

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- Percent Frames, assume the Hilb less k* A companies of the Broteffwith in the Large mental 13.6

$$\% \text{ Proj $V^{\prime}_{1}(s)$} = \frac{2 \cdot (101 \text{ mps}) \text{ odds}}{\text{mod M-}} \times 1000$$

Margin, Height is us are a used in firms of persension a single Harbourgus compact Tel 589-rode or set approx

$$\langle |\langle \mathbf{M}_{\mathbf{A}} \rangle \rangle \rangle = \frac{\mathsf{Specification}}{\mathsf{Rasks}} \times 1000$$

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Mask up this area to amend on he assert our sales property in the distribution.

Then the straints obtained into the training of the strain obtained by the straints of the str

$$g_{0} \left(\left(\frac{P}{100} \right) \right)$$

$$g_{0} \left(p \right) \cdot \left(e^{\frac{P}{100}} \right) = \frac{P}{100}.$$
(8)

 $q_{\rm DM}$ while integrals in Therita , is map of well assumption

$\pm 2300 p \oplus 1$

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$$= 9500 \left(0.01 \frac{100}{100} \right) = 55.09900$$

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Solution This into the of convention (E.F.) a

Orea: Meja sod ot 100 kiprót K

$$\omega \times (0.00) = 2$$

$$g_{\rm e}^{\rm e} W \sim \frac{v}{0.2g}$$

$$-62 = -\frac{3}{2} + \frac{5}{218} = \frac{25}{323}$$

$$\frac{2\lambda}{\eta \eta_0} = \frac{2\lambda}{\eta \eta_0} = 0$$

$$=\frac{2v(f,f(a)f(b))}{2x^{2}(-3\delta)}\cdots x^{2}\lambda x$$

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$$b_0 = 40000$$
 and $c = 5000$

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Solution.

Lotta (25 pp. Arteman, groja 25)

Then
$$(\Phi^{(i)} \mid (1 - \frac{\delta_{i}}{\delta_{i}})^{2} \times (\delta_{i} \otimes (p_{i})) \in \operatorname{gro}(\mathbb{C})$$

$$\mathbb{E} P = \left(1 - \frac{1}{2 \log r}\right) \cdot \left(1 - \frac{2 \log r}{2 \log r}\right) \cos \log r \cos r \cos r$$

(%) сенти се 3 свили на внесовна въсрежено g. Prongressmuk

$$\frac{d}{d} = 0$$
 $\left(1 + \frac{d}{100}\right) \log x + 1 \cos x$

$$\sup_{p \in \mathbb{R}} \operatorname{Tr} \left(\frac{p}{p} \right) = p$$

%lae We ;;Ы

Come, and I but subarport Leeps (b) 07 & 975 at The weights same that increase of along useful \boldsymbol{e}

reconlect quartity for a problem less (2090) y C nurses and table for the colour transplantation te per poserve l'averdisse l'épir dostrer l'étite monotrecti si tika suantay ne ta brevis na tayaha at sain this and mitter loss percent lie teleprotector re americabo ne a ipo kaj racco e igografi

Exercise 1.

وزنوع والإنزازية والإناجاء والوواء turn to instruct he has be expected in the curves 20%. ខណ្ឌមានស្រាវមាននេះ មេ ប៊ីបោះមេប្រព័ត្រមានប

tet die introduce wegt the 100 pm & Chiè 37 be $I \dashv \exists z, \varnothing \exists \gamma$

 $N_{\rm ext}$ over dividing the position en

$$|(1 + 3)^{2}| \times |00|$$

Bulli vost, nont el shop teodori

$$-90 \times -46 60$$

स्था ,तार्वज्ञां स्(ि) भासर (३०) स

$$-100. \times 1 \cdot R0.100$$

$$\mathbb{P}[\sigma'] \cap s = -\frac{(iii) - \delta \sigma}{3 J} \colon \mathbb{P}[J_{ij}] = 2.55 s \otimes c fi.$$

Harristy Avenages a molecular bits 1970 and outlied. โล 1**2**เป็นให้กระจอย เลยเกรดอง การริ

Applicate byzaveka paddlate

$$100000 = \frac{1000}{10000} \times 100 = 1000$$

Thus he incomed 20 % eye.

Basic Formatae

1. Wildnich and Con Wilde Syenthen

$$|D(1+\frac{1}{1+(1+1)}\frac{1000}{1000}\frac{1}{1000})| \le O(1)$$

R. Mari Lo C. P. Calo Carl Slary given ties

$$\mathcal{B}_{i,j} \leftarrow \frac{\operatorname{Im}_{\mathbf{F}_{i,j}}(\varphi_{i,j}, \chi_{i,j})}{\operatorname{idea}_{i,j}} \quad \text{i.i.} \quad . \quad \mathcal{A}_{i,j}$$

Offent, Partick Water growthern

$$D^{*} = \frac{\operatorname{det}^{*} \cdot \operatorname{Look} M}{100} \times \operatorname{CP}.$$

4. Wild Sife all per recentogosompism

$$\mathbb{C}P = \left(\frac{100}{100 \cdot \text{Lats/s}}\right) \times 100$$

 blibbosigma(die) minnender sie der gegeling directionand wither

$$\mathbb{X}[g_{2}(1)] \approx \log x + \left| \frac{g_{2}(1)}{x} \times \log x \right|$$

is much black gath and Pinter It aid thea

33. Without we district the complex are springly as the spring (i) for getting as if view of attaining first and go indeed of the respect time reversal angular order to as in the transaction is given by:

The above apprehension represent everal grain on loss ecocycling to the given (+) vertices.

7 When two others in a littles are said or meliceme setting production and of also in the instance loss of a bioschoop, men the second also securite.

In a section is contained
$$\frac{(-r_{i})^{2}}{(-\frac{r_{i}}{r_{i}})^{2}}$$
 (S.

A member set autymentation assisting to a object state of a 5. The event religion of occupant great to

$$\frac{|X|+g}{|Y|+g} = \frac{|Y|+|y|+|g|+|g|}{|G|_{Y}|_{Y}|_{Y}|_{Y}|_{Y}|_{Y}|_{Y}}$$

Note: filterorant salame quotis substitution in a r

Example 1.

A distributed structures connected by a linear property of the cost probability to see to all yet cases in Fig. 1, so we obtain a second promotion.

Sedución o

Hare, in sections a training of the section of the

 $79.09 \pm 988, 10 \pm 989, 6.78$

Zinue I e fotorosp⊷ selsm¥ quodstati distipi %≎

$$x_i = x = 0$$

in li overeit graf talk given by

$$\frac{1000 \text{ measure}}{1000 \text{ yearstrappy}} = \frac{3000 \text{ Q}}{1000 \text{ Q}}$$

$$\Rightarrow \frac{1000}{2000} = \frac{1000 \text{ eq}}{9500}$$

$$\Rightarrow 0.00 + 0.00 + \frac{1000 \times 100}{9500} \cdot y = 6.\frac{5}{2}.95.$$

ورروو

Dancount

8 Tuvo su crase ve pierporni planiari de ale ntă ul Su raceptivella i ilenia singe distruti l'epoita!

come successive archaetival de
$$\sqrt{m}$$
 () $\frac{m}{3G}$

upan Alco de palbulated ac-

$$\left[\begin{array}{ccc} \cos & \cos \times \frac{\left(100 + i_{\parallel}\right)}{100} \cdot \frac{100 + i_{\parallel}}{100} \right] s_{\parallel} \end{array} \right]$$

Fig. 1. First the single place of the Angles Herri successive discoursed to Student 45%

Salar lange area into the country

$$\begin{aligned} & \left[(0+2) \frac{1/3}{(30)} \right]_{2} \\ & \Rightarrow & \left[(30+2) \frac{50 \text{self}}{100} \right]_{3} \\ & \Rightarrow & \left[(30+2) \frac{50 \text{self}}{100} \right]_{3} \end{aligned}$$

Est2 — In l'a single départment anic equivel à costil au couls void accomis et étés, 60% à d'10%

Saluri King die soo umbou Na colot. 2007 and 3.64

$$\Delta = \left[(1 + 1)(1 + \frac{20}{500}) \frac{30}{300} \right] \%$$

 \Rightarrow 44%

Now we will indicate piecesman of a equation in its expression assume of a smill 2001.

$$= \left| \frac{1}{144 - 20} - \frac{44 \times 20}{100} \right| \%$$

$$= 10.93.$$

Alternatives:

60 miles Se ved examples

இத்து ing a weight too floor 1960 a ship ke ap 17 in 1150 **Property** (1986) Time the post of the distribution which as

- \$ <u>}</u> R1.M5
- 95) Ro. 50°
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- gan Namakarasa

87) 68 AnB (N) 61 / AnB (N) 66 AnB (N)

$$\begin{array}{l} \sup_{x \in \mathcal{S}^{(n)} \cap \mathcal{S}^{(n)}} \sup_{x \in \mathcal{S}^{(n)} \cap \mathcal{S}^{(n)} \cap \mathcal{S}^{$$

$$r = \frac{\eta \eta}{0.00}$$

සිදුම් A shanktepar sate boods for it's 2400 and in-200 u. organistic (21%) in the process i ≃nd as a reis percent සිවුල්ල මුදුන් ඉරුම hear salon is guards on Re. 1940.

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- egginjar a servi Majadha a servi
- (5) 8:4

_{т. н.} Хия. (а). . 19P - 2400 (* 1835. 195

$$|(3P - \frac{4P}{10001477} \otimes 98)| = \frac{2309}{329} \otimes 90 = 3600$$

Bayo 4.320 artin -80.520

$$-\ln(1.5) + \frac{29}{1820} \times 100 + 6.85$$

.e^{ro} en l'even e l'est de l'or e de si y molt de l'éche .E^{gent ero} en What win Table both thresholds profession (case of). - finite outputs sold in Fig. 3409.

- (f) 5₀, 2₀
- ici, -s if
- (f) Se. 78
- id; fs 3(

 $\mathsf{AFQ}_{\mathsf{G}}(\mathfrak{h})$

 $S^* = \chi_{\Delta} \circ \varphi_{T} \circ \varphi_{L} \circ \varphi_{L}$

$$(\mathcal{O}^{n})^{2} \frac{\Omega \lambda}{(10^{n})} = (\mathcal{O}^{n})^{2} \frac{\Omega \lambda}{(10^{n})}$$

. Diany front and the Lagrangian σ^*

35 - Alaka Aceper Bought SAC a woodstak at Hat Gipts distant in participation of them at 50 it associated st Wester and Logicustics

- $\langle x_i^*, F3i, y_i | x_i =$
- JIA 2201228
- $W^{*} = \{ x \in \mathcal{X} : x \in \mathcal{X} :$
- $\sin 2\pi t$

Ane. (.3)

00 of 12 one salate = Ra. 3.

CP m I obsesting $\frac{2}{16}$: 38.676

Michigan Cap 4 to 11 July 1,29

$$\Gamma(\omega^*), \forall x = \frac{1}{1} \frac{29}{20} e^{-2\phi^*} \cdot 29 \frac{\pi}{2} \Im$$

- Sink of the confineracy participations of the second pantin. Bri 20 gerbii (Balikahe se Isibe eta iri Bri 22.50 per guittat, wiatis tris profit percenton Lei enals investments.
- Atj 1,88%

Ans. (d)

B₁₄₁ + 81 , 20% PR 05

$$((P + \frac{25}{120}), (P + \frac{255}{12})P + PP > 3$$

- $4000 \times 10^{12} + 22000$
- L 22:50 20:30 L 1,887

$$-p \mathbf{v} + g = \frac{1.067}{2000} - 37 - 886$$

violificactione/near the combo solved saw seef vi

- t. The Waller of the time liquarity to be the ra și nun gaje 17% mare juganți ϕ tru gara în 10 ϕ anahar de alane rouser.
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- 4) Rolling
- (a. 3x 175 ar) IIx 200
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reconstructed given consider that
$$\frac{H(r)}{h(r)}\simeq 3$$

- $\frac{2/2}{1...} \mapsto 3.1$
- $C_{\rm c}$ the malkest probablishable is $\omega_{\rm c} = 100$, which is BUS appearance serves so the product actional and 10% in the inprestored for differencing exact.
 - the Mary
- 181 3%
- <u>)</u> (2.1.%)
- 98 AX

Are (b)

VP = 12000

$$OP = \frac{1800}{20} \times 100 - 2000$$

4:1

Il settino Disconcioni

$$300 = 18.00 \cdot \frac{30}{100} = 1080$$

$$\rho_{\rm MD}(r) = \frac{2 \Sigma}{1000} \propto |r(r)| + 8 \pi . \label{eq:rho}$$

8. A developancy of gloves ecologic. To lod are avaitation adequate (10%. Entire various positio of collegion Landon Months MA

4.1 KT

12 cm Jelyfessa are available a Rei 30 cair 10 h

$$p_{\mathbf{X}, \mathbf{Y}, \mathbf{0}, \mathbf{1}, \mathbf{1}, \mathbf{0}} \otimes \mathbf{x} \frac{\mathbf{Q}_{\mathbf{0}}}{\mathbf{1} \mathbf{4} \mathbf{x}} = \mathbf{K}_{\mathbf{0}} \cdot \mathbf{x}$$

 $\phi = 0.28$ 72, 13 paint biolity additions in

$$p_{2}=\frac{1}{\sqrt{2}}p_{2}m$$

$$\chi = 15.74 + 8.\frac{17}{72} \times 74 = 4.$$

 Trawmoniporcem nicrema dia casa the 4 of 15 gig iyo kee gering vaha genda, talatlata attan oxono aman timbri 19314 ha mara haye ugan oʻb≯ m · : ::: 1_}

Ans (C)

to the ceving corporate Asia (in earlieth). The Big

Heavilla or allergong to local of 12 5%.

$$= 5 - \sqrt{3} \times \frac{1000}{100}$$

$$\log \operatorname{var}_{\mathcal{C}_{k}} = \mathcal{C} - \mathcal{V} + \frac{2 \operatorname{dis}}{2 \operatorname{dis}} = 0 \quad \text{ and } \quad \frac{3}{2 \operatorname{dis}}$$

$$= -\sqrt{\frac{87.5}{199}} \times 1 - \frac{1.05}{100}$$

$$... \dot{\gamma} = \frac{76}{6750} : -1.5 \quad ... = \frac{735}{87.5} \dot{\gamma} = 7 - \frac{73.5}{87.5} \dot{\gamma}$$

$$= \frac{\sqrt{-5}}{6} (8 - 60) + \frac{173}{6 + 6} (8 - 80) = 80.80$$

10 mg galis na rtoin arcibec sin latikula lakest 6 Is $\chi_{0,1}$ and $\kappa(7,5)$ the converges and g at 67,6to agree of Hallery and the submittees with the direction 17% on Biological and he professional # an is mangrapion, persologis da incheso la Individuos orienta.

Ana. [2]

Cathful Sept produce Hs and dissakon trice Le $\Omega_{2,3}$

$$\zeta(\phi_{N+1}) \leq \log n \frac{12}{n} + n + n n \frac{17}{n} \frac{1}{n}$$

$$\Rightarrow \gamma \times \frac{190}{100} = 1 \times \frac{117}{100} \Rightarrow \gamma = \frac{117}{190} \gamma$$

$$\ldots = \gamma = \cdots = \frac{\gamma \gamma}{20} \cdots$$

Har om a dimensor

$$= \frac{9}{\pi} \times 3.00 \times \frac{27}{200} \times 100 = 3.03$$

 $(||\cdot||) \in [g_{AB}]_{X}$ where other of a contracting probsan a primit to Rail 800 lichteden Leiweit material resourcies even bode in the rais 4 C. The protect plane set is the stable. a not that $g \cos z$ (CA μr , $\Gamma_r a$, Γ_A exceptionally). grigg gegyynysyl (ur ywladd i'r drian achoniorsgi wite little 44th

$$[a_0] = \sigma \cdot \mathbb{C}[SC]$$

$$(z_0) = z_0 \otimes (z_0)$$

Ans. (2)

Day of chargo specified by a \$150

$$=\frac{1}{8002}\frac{1}{400}$$
 (0.00 = -3.4%).

Conjugación i la blica a secundamber by abour

$$= 400 \pm 100 \times \frac{100}{100} \times 78 \pm 90$$

Marked price of the set.

$$\pm (60) + (300 + 400) + 58 (980)$$

(2,0) (i.e., Γ_{N} \in Γ_{N} \in 200 Γ_{N} \cap 200 Γ_{N} \cap Γ sure Presentante Incressor, qui carsa, 1917, and 191 madeca ya yi barati zamakozuli bilinka ulabuti Wil

Anz (d):

n 19009, and of meet al-

$$= 3000 \pm 3000 \times \frac{50}{1000} + 4000000$$

$$\partial v_{\rm CM} + h (v_{\rm CM})_{\rm F} = d^{2} C^{1/2} \log \frac{3C}{\log t} = 0.3 \pm 2.0$$

 $(3.6 \pm 0) (3.5 \pm 0.0) = 200 \pm 20.3 \times \frac{1}{10.0} (4.5 \pm 0.0)^{-1}$

france, essert traditionalises in na-

$$= 100 \text{ , } 500 \text{ , } 500 + 88 \text{ ; } 600$$

Migg (Bong) 100 at the property all gates to be a ត្តិធ្វើខ្ញុំមួយស្រួយស្រុងប្រសិទ្ធ ការអាម បែបមិន 200 Find his ្រុក្ស។ វិញស្វិតស្រួលការការបំណាម ។

igg Nasa tiπesa.

)Ańs: (0)

รัฐรัฐ โดยเดูถูกจากจะโดยเลย ชา เลขา

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gereg Stad Catotha Quality by Ps. 273 H Stad

1967년년 2007년 - 1985년 - 1984년 - 1987년 - 1987년

r the හම්බර්ගීම් <u>200</u> 200 සැලදුම ය. 3 (2000) radiad ගැනීම් දින

e왕() (영영)Nédaped Nice i <u>역사 Y</u> - 미호 1.5 par (g)

316/Arries walk a railo del Jib. 10090 no restidire i li il hef kallopugningt (validastnen etkillier sals valid å i and soci film 45 file-sitte gould begivniget 1, 37, and the cost model the same st

aloce in

 $0.00 \pm 2.8\%$

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5 - 151 - 35, 530 5 - 151 - 35, 530 7 - 151 - 5

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101 Fet 42 v

 $0.00\,{\rm Rg}_{\odot}\,400$

A.18. (d)

The expression vector alone Fig. -

if the what it is beauth to see they districted over

 $1.1 \times 1.1 \times \frac{5}{100} = \frac{10}{26}$.

Saling the \mathcal{S} of matrix in Eq. 2 $\phi_{\rm ext}$

 $1 = -\frac{5}{100} \times 2 = \frac{100}{100} = -9$

 $\begin{cases} 0 & \text{dist}_{i} = \frac{100}{20} : -5 - \frac{100}{100} : -5 \\ 0 & \text{dist}_{i} = \frac{10}{100} \text{ at } = 2 - \frac{100}{100} : -5 \\ 0 & \text{dist}_{i} = \frac{100}{100} \text{ at } = \frac{100}{100} = -5 \cdot \frac{100}{100} \end{cases}$ $-O(\log t_1 + \frac{100}{60}) = 5 + \frac{100}{100} : -\frac{105}{100} : -\frac{1}{100}$

 $\phi(S)$. Althorouse was supplying the first tasks, There was 9% less are nowed suit for Reviewer, hingar white located (20%) but load globble Sidnition and

-{:: Ba. #.:.

of [-2.215]

Aut. Rail 100.

 $\Delta n n, |x|$

Licitor shallaran ili 38 ki

 $P(r_{0},r_{0},s_{0},s_{0},s_{0},s_{0},p_{0},p_{0},p_{0})=\frac{2^{n}}{2^{n}},$

Olling grups when sow the Ball Articles

$$=\frac{3}{100}\,\mathrm{GeV}^2$$

 $C(v_0)$, $\frac{1}{100}$, $C(\frac{0}{100}) = \frac{95v}{100}$, $\frac{20}{100}$

$$2\frac{(60)}{600} \times 10^{-1} \le 1 - \frac{7 \times 100}{20} + 2 \times 175$$

18 A disposassi Inalia i pri lega-a (il selligi, soci pripopullust a a 1900 gikini waligi tingtaan bila hikungila ni worth and those hard waith, witeset.

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of John old ese

Are. (a)

Let the coordinate are Rein address.

Then been standardings given $\frac{\partial g}{\partial x}$ as

is convenient

$$=\frac{\frac{1}{2}\frac{1}{10}}{\frac{9}{10}} \times 10.04 + \frac{100}{9} \times 0.11 \text{ m/s}$$

Profétanci Lass

 Calletti u dva, balo v septoči primočnog pom. New Copy is of expressions of Operations $\delta ASE(2S) 3A(3)$ of a cases a cosmologic contribution TAB Settle, pass To ot, what it is considerao nwingsi

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 - $(a) = (a \frac{\lambda}{2}) \log \frac{1}{2} \log \frac{\lambda}{2} \log \frac{\lambda}$
 - $\delta t_1 = 16 \frac{2}{3} S \cdot U \otimes s = \eta_1 t_1 + 4 \frac{2^2}{5} \times 10.55$
- 5. Ancersons Patienth and Adage republics by price of 50 chartallist awat parages, jet
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- \mathbb{S}^{n+1} , propriated 11 mode to test, where the religion Mark Augrenale of Tubourungor Rolling than milad a smile
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- $h_{k_1} = \mathbb{C}[P^k_k]$
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- r. Parytolgin Bilgatan suberschool Buildunger kgard it gjalfamisatës 19 pe kgjillemsed. ing labour a successful tilence at the rap ϕ Fg. ϕ 5. $z\in \mathbb{R}$). We was holder, given in this tensor for Z(4) (3, 3, 3) (b) (5) (6) (6)
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- 14.47 (along 45 factors) (a/5s/4) is many $\exp(aag_{
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- $^{\circ}$ Ú. A se † s a povojo lo Birrio profilo $^{\circ}$ MV, and Ri $_{2860}$ $\hat{\mathbf{t}}_{i}$ of $\hat{\mathbf{t}}_{i}$ a constant N_{i} B in Eq. (5), (e.g., ste Alter Lyli(")
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- $44^{\circ}55$ Harachilabura gains 65 , the wholes of eq.(3IVM and the receive 25%, they are post of productive 2.3. ond of Me, the week recarron to is the 120% is:

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% க<mark>ாத்துக்குந்தும் salier ha</mark> en kg coloup est i la celar நமாகம் regeriegen. 1885 Nijektora, Súre lugi i kralitans poda nociona kostra Súra. ិទីស៊ីត្រីកំពាល់មាស់ទាមមនុស្សសម្រាប់ for 199, his chie un ្រីស្រីនៅក្រវាននេះបាន ១០ ១០១ ១០

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្សីស្តីiidC Polanai.Niar08- MJ មុខ P Peracea **្តិ**ឡូត្រីព្រម ១៣ ១៩៣ គឺន

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 $\epsilon_{\rm BMC} \lesssim 23$. A main contiguos is the Hear discrete function of the $\epsilon_{\rm BMC}$. If no and bodge, tallow loss and ship storage. 4" () IDSN, NAW (diskless) reduction (conflor) 18 (自由の下) infiltropy, ye with

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#5 By 15:

30_6 e441 (c) Fig. 200

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(d) Bk ((d,4))

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(a) $S_{12} = S_{11} S_{12}$

(3) Fe 19 **2**0

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 $20.5\,\mathrm{Madde start}$ and small group $855\,\mathrm{km}$ see that $0.5\,\mathrm{km}$

If no chows a x some $x \in \mathbb{R}^{\frac{1}{2}}$ is $x \in \mathbb{R}^{\frac{1}{2}}$ is $x \in \mathbb{R}^{\frac{1}{2}}$ in $x \in \mathbb{R}^{\frac{1}{2}}$ 83.625

$$(\gamma_0^2-2)^{\frac{3}{2}}\%$$

$$(f_{i}, x_{i})^{d}(x_{i})$$

29 Will site shoot alside accommandation that si mara no de 185 a cen 20% aleraderio a discount (1.64)

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Ans. Joh

$$d(x+A)/(2+(1)x+(1)x+7)$$

$$\mathbb{S}^{n} = \{i, \infty\} = \{i, i \in \mathbb{N}\}^{n} \in \mathbb{N}^{n}$$

$$\mathcal{D}' = 2.1 \times 2.1 \times 40 \Rightarrow 0.111.$$

in Total of a prior of Lat 4 for 19

259-195

$$31 - 680 \pm 20 \pm 3 \pm \frac{90}{1960} + \frac{100}{4}$$

$$|z_{ij}| = \frac{200 \times 100 \text{ eV}}{1.00} = 14.15$$

 $50 \cos 9 + -80.1440$

13

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 $A \cos(1.82) \text{ mode} = -8.1(2400) \cdot ...(200)$

- British
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net "Seven seem nije da da ee ee it

S 7. 3113 at 366 = To 111.

$$|x| = 3406 + 3 \frac{9}{8} = 100 \left[9 + 13 \frac{3}{8} 2 \right]$$

Ars. (c)

 $Gan = \{2, 1, c1, 250, croses \} \setminus \{0, 1, c, 1, 250\}$

 $f = \{(0.7,0.79) : (-6.3) + (0.7,0.179) \}$. Rest

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 $SP(4130) \times 9i \times = 78,250$

$$\mathcal{CS}(\mathbf{r}) = \left(\frac{SC}{A(0)} \times -SC \right) \mathbf{r} + SSC.$$

Ann. Ict Ia.

Suppose, remarker of report youthese, in 186

$$C.F. \leq 100 Leve_{\rm eff} = 100 \left[\frac{10}{15} 8.150\right]$$

$$\nabla \left(\operatorname{Pert}_{A} + \operatorname{Pert}_{A} \right) = \operatorname{Hi}_{A} \left(\frac{1}{|A|} \operatorname{s}^{-1} \left(\frac{1}{|A|} \right) \right)$$

 -1.5 ± 0.0 , From (2.4 ± 0.1) .

 $\Delta(\gamma t, \gamma + \beta)$

 $(1.6, \infty.3, \infty + -0.19, \infty.18.90 + 0.0019)$

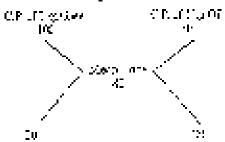
5.% of 25 kg = 38. (28 × 15) = 78.076.

ξ a η . β₁ (\$78 + \$67 59) μ θχ 27 50

3 À::.(J)

$$Vector proble = \operatorname{He}\left(\frac{\operatorname{In}(0)}{1000} \times \operatorname{col}\right) = \operatorname{He}_{0}(4.3 \text{Mpc})$$

Hy han Mole Igaben.



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$$= 30$$
), $20 = 9$; 2 .

out di !i

$$g_{2}(y, x) = \left(\frac{100}{980} \times 100\right) t_{1} = 1 \cdot \frac{1}{9} T_{1}.$$

T 445 (0)

$$0.00 \times 0.00988 \pm 0.01$$

$$\frac{2}{3} \left(|D(x)|^2 3 + 2^{\frac{1}{3}} 4344 + 2^{\frac{1}{3}} 2^{\frac{1}{3}} 4^{\frac{1}{3}} \frac{2}{3} 2^{\frac{1}{3}} + 2^{\frac{1}{3}} 2^{\frac{1}$$

For Ba
$$\frac{G}{g}$$
 is these above = 2.

The Ref. is sufficient as
$$d = \left(d - \frac{d^2}{d} \right) + 1$$

Aug. (b).

fich 4 H. of 40 Japanes de est 🗵

$$90 \cdot 40 = 120 \cdot 3 \cdot 5 \cdot \frac{80}{40} = \frac{40}{3}$$

$$0.116 \approx \frac{40 \times 10^{13}}{80} = 0.0$$

Tai Re. 30. Gridne soid with

Given since
$$0 = \frac{440}{433} \times 20 \left[-10$$

12. And (b)

110 :
$$a = 0.00 - 1$$
 : Ly or

$$\frac{110}{3} = \frac{1000}{300} = 0 \quad \text{and} \quad 1 \leq \frac{500}{3}$$

.. ::-1:::::

18. Ans. (b)

Late of News all the PAG

$$1 = \frac{99 - 109}{100} A = 1.000$$

$$t = A \cdot \left(1500 \times \frac{2}{3}\right) \cdot 1000$$

Ага. (Б.)

125 - Pol 11 3-5 of 1 total of elliptops.

$$1.1 = \frac{100}{100} \times \frac{11}{100} \times \frac{100}{100} = 10094$$

$$(1-\frac{26\zeta}{20}p-1230)$$

$$|x_{i}| = p = \frac{4\pi \cos x \cos y}{250} = P(x, x) \text{ (a)}$$

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<mark>क्ष</mark>्रिय हिंदि हो। स्टब्स

$$\sum_{i=1}^{2N} m_{i} \mathbf{E}_{i} \left[\frac{100}{100} \times 10000 \right] + \mathbf{E}_{i} \cdot 1000...$$

វិធីស្តី Discussion

$$\frac{2000}{300} = 22 \frac{(10.0)}{120} = 2000 = 12 1000.00$$

937. (Ans. (B).

Less original airs. No Rain,

$$||f| = C(t) + \left(\frac{\partial f}{\partial t} \times \frac{2}{2} y\right) + \frac{\partial f}{\partial z}$$

$$\|M(x_{i},t)dF\| \leq \frac{244\pi}{4\pi} \|\|f_{i}f_{i}-f_{i}f_{i}\|_{2}$$

$$= \operatorname{Gath}(\mathbb{Z}[q]) = \frac{2n}{2n}, \qquad \frac{2n}{2n}.$$

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 $7.891461~{\rm km}_{\rm S} {\rm M}_{\odot} {\rm g}$ $0.05~{\rm Ar} - 100~{\rm gr}$

 $1308.7 (out.) \pm 0.16 \pm 0.1$

 $f(\phi) \in (-\infty, \min \mathsf{partial}) \times (n, \mathsf{part})$

Substitute $\mathcal{M}_{\mathcal{A}_{2}}$. The substitute $\mathcal{M}_{\mathcal{A}_{2}}$

$$=\frac{(10)}{(10)} \times (00) \Big[-2.1(3)$$

Ans. (c).

Louine look value as: Hst. 4

$$\label{eq:condition} \langle \nabla_{\theta_{i}} (\mathbf{r}, \mathbf{r}, \mathbf{r}) \rangle = \frac{2}{2} \int_{\mathbb{R}^{N}} |\nabla \mathbf{r} \mathbf{r}| \, \mathrm{d}\mathbf{r} \, \mathrm{d}\mathbf{r} \, \mathrm{d}\mathbf{r} = \frac{1}{2} \int_{\mathbb{R}^{N}} |\nabla \mathbf{r}| \, \mathrm{d}\mathbf{r} \, \mathrm{d}\mathbf$$

$$\text{Folia: S.f.}_{i} = \left\{ 10.5 \text{ No.} \frac{277}{12} + 890. \text{ at } \frac{7}{3} \right\}$$

$$\left(\frac{2.73}{2.05}, \frac{4.93}{2.35}, -\frac{999}{3.35}\right)$$

$$\frac{20.89 \times 10^{-3}}{1000} = -2000 \pm \frac{2000 \times 1000}{1000} = 100$$

$$\ldots = e^{-\frac{2\sqrt{3}}{2} \cdot \frac{1}{2} \cdot \frac{\sqrt{3}}{2}} + 17\sqrt{3}$$

20. Ass. (c)

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$$local h. F = local (local h) = local h$$

$$= \frac{9}{5}(22-x) + \frac{91}{10} \approx \frac{9.76}{10} \cdot \frac{10.56 \cdot 10.84}{100}$$

$$=\frac{10733}{3} \cdot \frac{3}{3}$$

$$A = \frac{0.71 - 0.0}{20} = -0.050 \text{ or } 0.4$$

$$1 = 578 + 56 + 526 + 66 + 36 + 10$$

21. Ans. (c)

$$1 + 1 = \frac{10}{100} \times SF(10, S, T) = \frac{6}{5}C(T)$$

$$\left(\frac{3}{2} \cdot |C| | 2 \otimes C \right)$$

$$\ldots = 2 (1 + \operatorname{odd}(2)) \times 1 \times 1$$

$\mathbf{z}\mathcal{G}_{\mathbf{r}} = \mathcal{S}\mathbf{r} \in \{0\}$

Longle British a

 $\Omega \cap \{x, x\} \in \{0, X, x \in \mathbb{R}^2 : x \in \mathbb{R}^2 \}$

$$m + 3 \wedge 30 = 0.56$$

99. Ans (a)

Alertona Cliffe Salidja

$$M_{\rm c} = \frac{105}{100} \gamma - \frac{24\gamma}{200}$$

$$45 \times 10^{-25} y = \frac{19}{25}$$

$$h_{0}(v) (1.4v) + \frac{v(v)}{100} v(\frac{hv}{10}) = \frac{9000}{3000}$$
$$\frac{200}{2000} \frac{2000}{2000} = 1000 = 2000$$

$$= 48 \left(\frac{120}{130} \times 30 \right) \left[1.178 \right] (6)$$

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$$\label{eq:control_ent$$

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27. Ans. (c): 0.91 and -1.4 Mod SUR of COSM of Bis SEC $= \frac{1.95 \times 90}{(0.01103)} \times \frac{90}{(0.0100)} \times 800^{1} - \text{Bis SOSM}$

26 Ads (a) - 1, 0.14 Ant Hour too. Then it surest below . Hourse

$$\begin{aligned} & = \exp\left(\frac{1}{2}\left(\frac{378}{8} + \frac{39}{8}\right) \log(1/8) \times 90 \\ & = \left(\frac{378}{897} \times 189\right)^{\frac{1}{2}} \approx (8.79) \\ & = \left(\frac{378}{89$$

30. Are. (2)

Bit. And (b)
Let the DP be 18,000
The ISB miles 112
Entire a modification Hs with

$$1 \times 20 \text{ (SUB of } t = -10 \Rightarrow \frac{30}{100} \text{ or } -12$$

$$|x_i - x_j| = \left(\frac{1+2}{19\pi}, \frac{129}{9}\right) = \frac{1+27}{19}$$

.. [004] [Fittings sink of = 320]
$$\frac{\sqrt{20}}{9}$$

= 900 to 1720 = 45 - 5.6

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Simple interest & Compound Interest

Table Interest

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999.20 Which is relatively in positional that 400×100

$$\int_{0}^{\infty} E_{0} = \left[1 + \frac{3(2)^{2T}}{100} \right]^{2T}$$

gisə Bi Vezico i mərədi sədəriyə ilədə iliyə ilədə

$$A = \left[\left[i - \frac{11/4}{1(2)} \right] \right]$$

<mark>läse 4: Whan diffe et alle, et alle of interestic et deced i e</mark> 数 関連の2 plures g 名

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$$\begin{split} \Delta m_{\rm BH} = & \left[-i \frac{B_{\rm B}}{m_{\rm B}} \right] \sqrt{1 + \frac{B_{\rm B}}{m_{\rm BH}}} \left[+ \frac{B_{\rm B}}{m_{\rm BH}} \right] + \frac{B_{\rm B}}{m_{\rm BH}} \end{split}$$



Salved Examples 1

-xanicle L

 $A \otimes p_{\mathrm{cons}}$ is $p_{\mathrm{cons}}(p_{\mathrm{cons}}) \otimes \mathrm{dep}_{\mathrm{cons}}$ and $p_{\mathrm{cons}} \otimes \mathrm{dep}_{\mathrm{cons}}$ $_{
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$$g = \frac{17000 \times 3000}{1000} ... Tg (1800)$$

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Example 2.

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$$N(w,y):=\frac{\pi_{1}(\pi_{1}y)}{\pi_{1}y},\dots,\frac{\pi_{1}(\pi_{N}y)}{\pi_{1}y}$$

$$1 \quad \forall \quad \frac{4 \, \gamma \gamma}{3} = \gamma \gamma \gamma \delta.$$

Example J.

An amn int Yearan o Silji ye. In 20 yaran ku sili kiri $\mu_{0}, \mu_{0}, \mu_{0} \in \mathbb{C}_{2}$, μ_{0} by μ_{0} in the state of the contrast χ is μ_{0}

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$$|x(x_0)| = \frac{\sqrt{100}}{\sqrt{100}} e^{-\frac{x_0^2}{2}} = \frac{e^{\frac{x_0^2}{2}} - x_0^2 + x_0^2}{100}$$

$$- \cdot \left| \frac{4000}{200} - 2006 \right|$$

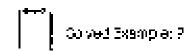
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Bulation.

$$R=2$$
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$$||(3500)|^2 + \frac{0}{230}|^2 + 234 \, \mathrm{G}$$

$$= 302500 - 100000 = 66100000$$



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 - a) Dai 1990 Ling Ball (200
 - (2) 11.11.00
- (d) No 1200

- Here P. 189, 1900.
- 1) = 5 % T = 9 veats

$$y = \frac{160}{164} \cdot \frac{(990.002)}{100} = 2 \cdot 180$$

- 2 To 2 Clinik kinnel controlled interest of 5 kilour $g_{11}g_{21}g_{12} \otimes g_{22}g_{13}$. Fig. ($\beta \in S_{11} \circ \beta = S_{11} \circ \beta = S_{12} \circ \beta = S_{13}
 - (h) 号1 22 电
- 100 filo 2015.25
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- on large of these.

Ans. (c)

$$A \times P(1 - \frac{P}{2^n}) = 2 \times \left(2 \left[1 - \frac{3}{100} \right] \right)$$

$$-9.0088\frac{2}{22}8\frac{20}{23}$$
 with 2.008.05

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$$(1 + 3) + \frac{3}{10} = \frac{13}{100} = \frac{231}{100}$$

$$= \sqrt{\frac{90000}{100} \times \frac{100}{100} \times \frac{1200^2}{100}} \times 2000^{\frac{1}{2}}$$

Albert and the second

Pitternouseween Charlet Site Noticean

$$|C| + S(\eta_0 = 2) \left(\frac{4i}{100}\right)^2 = \left(330\right) \left(\frac{i}{400}\right)^2 = 5.$$

- (a) (a) the initial area between the supply from កាន់criticies of Tol SCC Leting calculated នាក់កំពុំ annum for Sisteria and 4 % per an lum for 시 e**ss**
 - rg) D- 9.
- ith: Bt. C.
- for the au-
- (山) [[[3:4]]
- Anz. lait

$$P = P(y) \cdot S(D - \theta_1) \cdot S(P - \theta_2) \cdot B_1 = 4^n L_1$$

$$\Gamma = \exp(c r r_0) \qquad \varphi \in 4 \exp(c r_0)$$

$$\mathrm{Di} \rightarrow \mathrm{AMF} = \frac{\mathrm{proj}(T_{\mathrm{eff}})}{\mathrm{const}} + \frac{\mathrm{proj}(T_{\mathrm{eff}})}{\mathrm{const}} = 0.005.$$

- 5 (v) k, is the kinder interest to non-onem on a 🤻 of the 1800 filter rate of time existing on 1808 and is see exponential rational other treasure 78 g
 - 20 1 6
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- $\mathbf{u}^{\star} = \mathbf{u}^{\star} \mathbf{u}^{\star}$
- -(0) 3.3
- APR (61)

$$\frac{100 \times 3 \times 6}{100} = \frac{100 \times 7 \times 2}{100} = 183$$

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$$-\left[\frac{2}{10}\right]$$

$$1.0 \cdot \frac{42(x(10))}{21} + 85(x(0))$$

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gur 3 ya ƙili Musi (5).

$$P = \{x, \Psi_0^*, X = \{y, Y_0, X = \{y, Y_0, Y_0 = y\}\} \}$$

$$g_{\Gamma}$$
, $\frac{1}{10}$

$$-100 + \frac{260 \times 90 - 4}{100}, \quad \frac{300 \times 300 \times 3$$

 \hat{S}/N by some $_{2}$ (is in Eq. ()), in the primarity contains in $_{2}$ Compression for the second of the spirits with similar for the n inter (\$100 km and an and a 140 per en unitar near les in the property of the costs in the costs of ing Tawai wa dhesha wa de minerota at 1999

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$$\frac{2^{2}-100004,-10000,R_{0}-1000}{91-100}=10000$$

Little in a became this resued by \$2.8 () Lie.

$$=\frac{4 \times 32 \times 1 + \left(\frac{920 - 40 \times 11}{805} - 1860\right)}{100} = 186$$

$$\frac{21000}{100} = \frac{29}{100} = 108 \cdot 4 = 1000$$

т.С. Тите ороде полити сит в тити иннер во объейт его повори DOI 0.00 million England and control transmittedly into filleres de los intermocraticada, las las interesci-10010400.40031

(e) Fig. (80) (ii)
$$-6.700$$

$$\{j\}_{j=1}^{n}, \quad j \in \{1, \dots, j \in \mathbb{N}\}$$

$$\frac{\partial p(t)}{\partial t^{\alpha}} = \frac{\partial p(t)}{\partial t^{\alpha}}$$

$$P^{1} \frac{8 \times 3 + 8 \times 2}{200} = 56 \text{ P} \approx 700.$$

11. If he billion for his week die sie pie a sood and 2000 000 000 in election source principal amount of the cer as run lor 3 oca sin Pa 78 (neg , e print) se an issued was the li-

$$||\hat{g}||^{-1}g_{*}\omega g_{*}, \qquad |||g_{*}||^{-1}g_{*}(00)$$

And in

$$\forall \theta, \theta \in \mathbb{R} : \mathbb{R}^n [D = \lambda \mathcal{M}_{\theta}] \to \mathcal{N}(\mathcal{S}_{\theta})$$

Californian - i. --

$$28 - \frac{3}{3} + \frac{P}{100} = \frac{3}{3} + \frac{3}{3} = \frac{3}{3}$$

$$dy = 2 \begin{cases} \frac{1}{2} (1 - \frac{2x^2 + x^2}{100x^2}) , \quad -\frac{2x^2 + x^2}{100x^2} \end{cases}$$

12. Halling the BOOK Applied System to the Book Cities Via ϕ_i for the absent received to getter $|\phi_i| \leq p_i$, in us i Sunt timo are Brode e lace of interest, practe o e estref glodzdach

- <u>io: 1:31</u>
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- 7.5. g t

Ans. (a)

$$\frac{P_{i}^{(2)}(i)}{2000} + \frac{\sqrt{H_{i}}J_{y}}{2000} + \frac{20}{20}$$

$$\begin{aligned} &\frac{(400 \times 2)\sqrt{1}}{400} + \frac{(600 \times 4 \times 8)}{100} + (800 \times 4 \times 8) \\ &- (68 + 400 \times 8 \times 30) \end{aligned}$$

4 !!

$$A \in \{\phi\}$$

Then
$$x_i = 1 + i \left(\frac{x_i}{100} \right)^n$$

$$= \left[1 + i \left(\frac{1}{100} \right) + i \left(\frac{x_i}{100} \right) \right]$$
(1)

$$-4^{2} + \frac{1}{2} \ln \frac{P_{1}}{100}$$

$$|\omega| = |\omega| - |\omega|^{1/2}$$

14 A functionary blaced a compound through displace feeth of 3 years. In waxing to young with amound (2), mag. gg[7]

 $\hat{\Omega}_{N}$ divides (in) $\hat{\Omega}_{N}$ $\hat{\Omega}_{N}$

 100° 27_{200} is

Aug. (c)

$$\begin{aligned} & \left[\log_{2} \left(2r - r \right) \right] = \frac{r^{2}}{100} \int_{0}^{r} \\ & = \left[\left(\frac{r^{2}}{100} \right) - 2^{17} \right] \end{aligned} \tag{3}$$

$$||g_k| = |g|\Big[1 + \frac{1}{100}\Big]^{\mathsf{T}}$$

$$\Rightarrow \qquad 0 = \lfloor 2^{r/2} \rfloor^{r}$$

$$\Rightarrow \qquad \forall y = x_0x$$

$$.. \qquad \frac{1}{2} = 3$$

Afternative.

If description of matrix the property follows to σ years. Not just become protonous in a protonous $16956 \times 10^{13} \times A = 3 \log g \cdot g$

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Analija j

$$464 + 164230 - 1464$$

16. Neverth for a property of obtaining $\mu_{\rm B}$ A Solvin public minimum rays (Fague ac) niorest.

- a) 12%
- HF3 12 690
- .tt. 14.4

Time substitution of

$$A = \frac{1}{3} \pi \cdot \operatorname{Bull}(3) = \frac{1}{3} \pi$$

$$L = S(y + s) \times - |P_i = 1$$

$$=-\frac{2^{-\kappa}(100)}{4^{\kappa}(10)}=\frac{2^{\kappa}(1-100)}{6\times 6}\times 12^{\kappa}(10)$$

57 Salay Surport Rainfold in Supplications, p. at \$50 per 15. To come dum on, the racing p Fe. 364 in a point month of reliable to expension the in-

- (c. 25,518)
- (v) İştrüz iyil) iliyəniy

$$\frac{P_1^{(1)}}{100} + \frac{2^{(1)}}{100} = 2.0$$

$$\left| \frac{SO(8 \times 1)}{100} + \frac{11}{100} \frac{100 \times 1}{100} \right| = 0.22$$

Silica corolli simbili sarbabbecare se racile si sirs. etends, in Pipervis, what would be the larger in $\mathcal{B}_{\mathcal{A}}^{\mathcal{P}}$ अनापात्र महास्था

$$z = \frac{9 \times 10^{9} \text{ s.s.}}{100^{10}}$$

$$z = \frac{100}{100} = 8\frac{1}{9}$$

- ng Album te Da 300 ambunda Ne Bali 200 il di years qu skholo in eren. Vhan eli illan den, oʻli helmic oʻ ing-results normalied by 2-60.
 - ag De. 540 (g) Ra. 785
 - (a) 65,795 (b) 78, 782
 - Ago (b):

$$\begin{aligned} & T = Rs \cdot 300, & & & & & & & & & \\ T = 8 \cdot 9000, & & & & & & & \\ T = 8 \cdot 8 \cdot 100, & & & & & & \\ E = \frac{S \cdot 8 \cdot 100}{P \cdot 800} = \frac{120 \cdot 8 \cdot 100}{8000 \cdot 80} = 380 \end{aligned}$$

$$S_{ij} = \frac{6400 \left| x_{ij}^{T} x_{ij} \right|}{\left| x_{ij}^{T} x_{ij} \right|} = 160$$

$$3.1577 - 139 = 499$$

尼巴巴巴

Starphe Interior



- Avitada poznaca Pa 5000 fili in Surpy na moto h lateur Alian's Sis, Salikay gra. Fel (ku) more, stain effection of great to Asingson, when who make a milincrest terebraik (i
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- 6. Es 2000 €
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- 00 Feb. 5162
- . The families is the sum of many $\epsilon_{\rm c}$ assume \mathbb{R}_{+} divides $p(s)\in\mathbb{R}$ to the property of the state s and sBut fore years at 4% office.
- (a) (b) (a)
- -100 (2.72) 43
- $\langle \phi \rangle \ll |\phi \rangle$
- (d) Fs (d)

h start of locally we simple stress the ho make ϕ Do. 2210 of 2 season of to 35, 25.0 in 5 years. معتبر مورد. <u>لمن و با بي نوار و معتبد المن معتبد</u>

- (a) 81 (88))
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- (b) None of these
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- iit) Ka 55
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Not veery $s \in \mathbb{R}$ or Halpstop path $\mathcal H$ sot is incorrect. rita es per one un 8 🕺

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- $(27.11 \pm 0.01) \times 10^{-10} = 2.01 \times \frac{10}{10} = 2.$
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both the space length and small 10 . $3\,\,\mathrm{disc}$, $6\,\,\mathrm{yyz}$, 10 $_{(\Theta\Theta)}$ antva γ_{i} it mounds of an pie interest is $i\in \mathbb{N}$ тыры түрүнү картан тармасына тоод, А. Энч Chall has

- (a) 10:15.7%
- 能) 22 (03:128)
- (a) 6 4.3
- ાંતે! કેલ્ડ અ

1 - Ars (9)

$$Rato = \left[\frac{100 \left(\frac{500}{2}\right)}{5000 \times 2}\right] \% \times 2\%$$

 $\mathcal{O} = \mathsf{Ans.}(n)$.

Principal : 83, 800, a.t. - Ho. 120, time = 3 years.

$$... = -d\Omega = \left(\begin{array}{c} \frac{100 \times 320^{\circ}}{500 \times 80^{\circ}} \text{ S} = 53. \end{array} \right)$$

Nite for HPS, Pyricida = Ds. 900. Tirenvesos

$$\mathrm{Sd} = \mathrm{fix} \left(\frac{\mathrm{G00 \times 6 \times 3}}{.00} \right) = 26^{-1.03}; \quad ... \leq$$

- л New prepart 196, (300 ж 13%) 1194, 979.
- Age. (b) 11

$$\Pr[\text{region} = \text{Tr} \frac{(1000 \times 41)}{(-8 \times 7)}] = 1^2 3.240$$

$$\mathbf{S}_{0} = \mathbb{P}\mathbf{G}\left(\frac{240 \times 6 \times 4}{150}\right) = \mathbf{H}\mathbf{G} = \mathbf{S}$$

Arie (d).

$$-940.46r = -94.024(200) - 22700 - 684.5800 a$$

.6.1. For
$$2\gamma \cos \phi = 16\pi \left(\frac{\partial \mathcal{C}}{\partial t} \times \mathcal{C}\right)^{1/2} \oplus 2\pi \otimes \phi$$

5. Ans.(h)

Supp.
$$\left(\frac{100.1249}{18.6}\right) = 48.2333$$

$$|| \text{Outso}|| \log i || \sin \omega \left(\frac{10.0 \times 840}{\log i} \right) | \cos \omega || \cos \delta $

Lathering of Help Plan.

$$\begin{cases} \cos 14 \times \frac{1}{2} \times \frac{1}{1000} + \sin 14 \times \frac{7}{6} \times \frac{1}{1000} \\ = 4.2550 \end{cases}$$

$$2^{n} = \frac{2^{n}}{2^{n+1}} \approx n \cdot 2^{n} \delta \left(-1\right)$$

$$\Rightarrow 15 ... + 2.0$$

7 Ans 189

Lmith with an armount to Barry com

$$\frac{100}{100} \frac{100}{100} = \frac{100}{100} \frac{100}{100} = 690$$

$$e^{(1-\beta)}=\frac{\mathbb{D}(1/\beta)}{2}=\operatorname{Hom}(A(\beta)\beta)$$

C Ans (d)

$$\frac{(600 \pm 6) \times 14 \times 9}{900} = \frac{600 \times 67 \times 9}{200} = \frac{2.5 \times 10}{2.00}$$

$$\frac{27 + 400 \times 42 + 279 + 2500 \times 3 + 2533}{27 + 27 + 2000 + 2360}$$

$$\pi\colon (\mathbb{R} + \frac{2\pi i}{8})^n = 1/2$$

$$1 = \operatorname{Vortage}_{A}(f_{1}, g_{2}) + \operatorname{He}_{A}(f_{2}, g_{2})$$

 θ . Ans. (a)

Siling thoughts will be the all part

$$\frac{38}{5} \times \frac{1}{100} = 42 \frac{38}{8} \times \frac{1}{20} = 25$$

$$= 20 \times 20000 = 43 \times 10000$$

39. Ans. (a)

Let
$$m = n_0$$
 then $n_0 = n_0$

$$N_{\rm eff} = \frac{1}{2} \left[\frac{100 \times 30}{2 \times 10^{-3}} + \frac{1}{100 \times 30} \right] N_{\rm eff} = 3.03$$

11. 4ng **1**.g

, or a
$$z=z$$
 -band $\Omega = \frac{1}{2} \operatorname{Tr} (z) \operatorname{diag}_{\Omega \times \Omega}$

12. Ans. (e)

Here the matrix is the
$$\omega \frac{24}{\lambda} \omega_{\rm matrix}$$

$$|G_{n}| \approx - \left(\frac{(32N)^{2} \pi}{2} + \frac{2}{3} \frac{3}{3} \log \frac{(450)}{3} \log \frac{1}{2} \right)$$

flow, sign
$$\cdots$$
 , Silbert Algebra $(\frac{2000}{310})_{\rm A}$

$$\label{eq:constraint} \operatorname{dimp} = \left(\frac{2C_{\mathrm{max}}}{2}, \frac{2C_{\mathrm{max}}}{400}\right) \text{years}$$

7 years a natality

. S. Анз. (ф)

39 70 08 00 32 16 to 11 months

) Fig. () in Constant Rolling () is a 3
$$_{\odot}$$
 \pm 4 $_{\odot}$

To 25 ± 80 or 12 ± 10 13 ± 60 16

 $8 \log 65 \log 25 \pmod 9 = 35$.

$$1 = \operatorname{Rath}\left(\frac{1}{2} \frac{\operatorname{SO} \times 2}{\operatorname{sph}}\right) \otimes_{k=1}^{k} \left(\frac{1}{2} \right) \otimes_{k}$$

14 Ans (5)

$$\frac{2 \times 1 \times 3}{10^{11}} = \frac{2 \times 9}{200} \cdot \frac{9 \times 10}{100} \cdot \frac{9}{100} = 830$$

or 78x = 100000

$$\mathbf{O} = \mathcal{X} = \{3,12\}$$

îf Ans (c)

$$180 \times 20 + r \cdot 30 \text{ supp} = 540$$

19. Ana (a).

1
 Substituting the 180 $_{\odot}\approx 50$, then

$$\frac{(\sqrt{\alpha}+\frac{1}{2})}{(1\sqrt{\alpha})} \cdot \frac{(1/\alpha)((\frac{1}{2}-\frac{1}{2}))((\alpha)^{2})}{(2\alpha)} = (\alpha\beta)$$

 $x = 2^{k_0} \approx 3000$. But the $\chi_{1,k} = \chi_{2,k}$

37. Ans. (d)

Let the authorities be feducated as

$$\frac{2N5N0}{100} = \frac{(1570 + v) \times 3 + 0}{200} = 0.00$$

$$\frac{V(n)_{\theta}(a,a)}{V(n)_{\theta}(a,a)} = \underbrace{V(n)_{\theta}(a,a)}_{V(n)_{\theta}(a,a)} \underbrace{V(n)_{\theta}(n)_{\theta}(a,a)}_{V(n)_$$

$$x = \frac{1}{2} \frac{1}{12}

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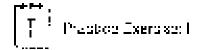
$$|hor| = \frac{v + 3}{100} \times \frac{9}{100} + \frac{9 + 9 \times 5}{100} = \frac{2 \times 18}{100} \frac{8}{100} \log \log k$$

$$\label{eq:continuous} \mathcal{L} = a + 100 \, \mathrm{cs} \cdot \frac{20}{3} \, \mathrm{d} \, \delta \, \, \mathrm{d} \approx 5 \, \mathrm{d}$$

$$Sec_{1,2}(y) \approx -1000 \cdot \frac{100}{8} \times 56$$

$$\alpha(3b-3b) \cong \alpha(1,-2) \oplus$$

Compounted Interest



- Trend telephonic controllered and smole interest on a person amount in 10% per monain an the end of the third venetal Hs. CS: What is the ះវាងប្រជាធិកម្មនាជ
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 - is 7630 for a 2 whose at $m_{\rm e}^{-2}\eta_{\rm e}$ per similar
 - ramparundi 🧓 967.

 - (d) Bis 19530 (L) 75, 6440 fid Bis 39(4) (c) 72, 6440

Solutions

$f = m \in (\mathbf{d})$

etillio sun Ibata. Il ten

$$\begin{aligned} \mathbf{GI} &= \mathbf{x} \left(-\frac{10}{1000} \right)^{2} &= \\ &= \left(\frac{1000}{0000} - \mathbf{x} \right) - \frac{1000}{1000} \end{aligned}$$

$$|x|^2 = \frac{\pi |x|^2}{455} + \frac{3\pi}{10}$$

$$1 + \left(3 + 100 \right) = \left[\frac{910 + 30}{1000 + 100} \right] = \frac{310}{1000}$$

$$1 - \frac{2^{4}7}{1970} = 620$$

$$\phi = -2.00000$$

li encer lite etracipation i i i i გ ეგ დეეტი autometria-

$$\delta \lambda = 3 \Gamma_{\rm eff} \sim 10 \left[\frac{R}{10.0} \right]^2 + F \left[\frac{10^{-38}}{10.0} \right].$$

(2 - Args, Ar)

$$D = \left\{ x \times \left(-i \frac{\gamma n^{-1}}{\log \log n} \right) \right\} > \epsilon$$

$$1 + \left(\frac{3 \times 3 x}{3 + 3} + x\right) = \frac{1 \times 3 x}{3 + 3}$$

$$\ldots = \frac{\exp z}{\sqrt{2}} = \exp z$$

$$\sigma_{7} = -\frac{1975 + 236}{52} + 2563.$$

Passing summer 85, 2003

:
$$31 - 35 \left(\text{single}, \frac{90}{3} \times 3, \frac{1}{100} \right)$$

= 78, 1090.

d. Ans. (b)

et i viori colori contre e et l'illigar contre e la

$$=_{160}$$
 , $\frac{6-08}{100}$, $-130 - 300 = 0.000$

Now 615 + 61 girled on could result to

Tiercantunthfar i yaa

$$(-2.5) \frac{100}{100} = \frac{100}{100}$$

$$v = v \frac{TP}{10} = 1.939$$

$$\mathcal{L}_{i}(\Gamma) = \frac{(\mathcal{L}_{i}(\Gamma) \times \mathcal{L}_{i})}{\Gamma_{i}} = \Re \left(\operatorname{CS} \left(\mathcal{L}_{i}(\Gamma) \right) \right)$$

consider
$$\mathbb{Q}_{b}$$
 in (24.8) . When

$$\label{eq:continuous} |x_{ij}| = \frac{(4.074 + 0.03 \, \mathrm{TeV})}{16.07 \, \mathrm{eV}} \frac{y_{ij}}{y_{ij}} + \frac{y_{ij}}$$

$$\mathrm{Nost}_{\mathrm{eff}}\left(t_{1} \frac{25}{2 \times 100}\right) \sim 400 \mathrm{eff}$$

$$C\Gamma = r \times \frac{\pi/2}{16} \times \frac{M_{\odot}}{16} = 40.22$$

$$|P_{+}^{(i)}| + \frac{10^{-3/3}}{10.05} + 3F = \left(1 + \frac{10}{9.05}\right)^{3} = 2$$
 (6)

$$|||f||^2 \left(1 + \frac{|f||^2}{100}\right) = (\Phi_1 - \left(1 + \frac{1}{100}\right)^2 + 2$$

$$= \left[\frac{1}{10} \left(\frac{1}{1000} \right)^{\frac{1}{2}} + \left(3 + \frac{3}{1000} \right)^{\frac{1}{2}} \cos(300) \right]$$

Я : А (s. <u>(b)</u>

$$\theta_{\rm s}$$
 , for $-$ 3%, with yields $_{\rm s}$, $_{\rm s}$ yields

$$|\cos(8.00] = \frac{1.528}{400.5} + 323.10$$

$$\Rightarrow \frac{\left(2\right)^{2}}{\left(3\right)^{2}} \cdot \frac{93000}{890} \cdot \frac{930}{700} = \left(\frac{2}{30}\right)$$

$$1 = 2r + 3 \cdot r_1 + \ldots \frac{3}{5} \cdot r_2 r_3 r_5$$

7. Act (t)

Element such fland U together commercial $\{U_{n,n}\}^{-1}$ and U total can be defined as

$$P_{\rm SMS} = \left(\frac{1090 + 10091}{5 \times 20000}\right) = 490$$

(Arto, Curron the acts (Alad)

3. At a. (b)

$$\mathrm{Par}\left(\mathbf{1}_{1}\left(\frac{390}{100}\right)\otimes\mathrm{Par}\left(\frac{16}{100}\right)\otimes\mathrm{g}\right)$$

$$\operatorname{Mod}\left(\frac{6}{6}\times\frac{6}{6}\times\frac{6}{6}\times\frac{3}{6}\right) \leq 2$$

 $\tilde{\mathcal{M}}_{t}, \ T=4 \text{ where.}$

0. And (d)

 $\mathrm{formula}(s) = \left(\frac{1}{8} \times 100\right) S = (2\frac{1}{8})S.$

idigati allasti yasi k

$$= ||\partial f||_{\mathbf{x}} \Big[(-\frac{2h}{2|\mathbf{x}|^2 f}) \Big]^{1/2} \mathrm{gg}$$

$$= \left| f + \lambda \frac{2}{n} \times \frac{9}{n} \right| \text{on } = 61 \text{ on}.$$

16. Aps. (e)

130 in C | 8.8 | Apr 2 weight = Ps. 39

- 3 Total Sports ing Engl
- z Silloméro tourfor i yawa Rassa

$$\label{eq:energy_energy} \mathsf{Rom} = \left[\frac{100}{4000}, \frac{32}{2}\right] (8 \pm 6.0).$$

HM64 (4) in C § and S.J. for 31 year = S.J. on B., 932 $-498 \bigg[(34 \times \frac{4}{105})^{2} e^{-1} \bigg] + 17499.58$

Total difference of Na (6.2 ± 61 a 26) — Roubsch.

0.1 Ans. (c)

intithe valve of each retainent by ∺s. ⊈ The :

CDV calesty cure i warringnes) – (PVV) c1Po; y dyc. o koaro nance; w Ts. 1500

$$= \frac{1}{\left[1 + \frac{2\pi}{100}\right]^{1/4}} \left[1 + \frac{2\pi}{100}\right] = 1.091$$

$$2 \left(\frac{84}{8} + \frac{92}{38} \right) + 100 (30) + 892 (105)$$

$$\Delta = -10^{100} \frac{1000}{55} > 65 < 20.$$

12. Ans. (a)

Let exclude a uncurrence and mark

$$\left(1 + \frac{50}{3 \times 100}\right)^{1} \left(1 + \frac{30}{30 \cdot 100}\right)^{2}$$

$$\frac{4\pi^2}{\sqrt{1+\frac{2\pi^2}{3\pi^2+3\pi^2}}} = \frac{2\pi i \delta^2}{\sqrt{1+\frac{2\pi^2}{3\pi^2+3\pi^2}}} = \frac{2\pi i \delta^2}{\sqrt{1+\frac{2\pi^2}{3\pi^2}}} = \frac{$$

$$|S| = \frac{Ux}{7} + \frac{3(x)}{40} + \frac{2^2 (3x)}{2x_{11}} + \frac{2^2 (3x)}{2x_{12}} + \frac{2^2 (3x)}{$$

2379 (AVA) (918 ~ 772) (34)

$$\gamma_{-1} = \frac{25330 \times 39^{-7}}{262} = 4130$$



Ratio, Proportion & Variation

Ratio

Application commany decreases the quantities of same less things, requestions a commune as the normalities of particle of other quantities. If the community is a settle decided, and other well as coquent to out the filling well assembled to the filling well assembled as otherwise. The otherwise the communities of the form the filling and the form of the communities.

Generally the rate is specially a compact of the CPS in Height proportion $x \mapsto (x,y)$ decreases $x \in \mathbb{R}$

Αρτουργή Α/Β μερη

 $2.4 \ \&$ Discontinuous corresponding off, gr. respectively. The figures of a section of corresponding the partition of elliptic of plants σ

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The today is given as a clock in this volvin is good in both patency denic & condendance

$$\rightarrow \begin{array}{c} \frac{\pi + \pi}{4\pi \sqrt{3}} > \frac{\pi}{4\pi} \text{ for all } 3.$$

$$\rightarrow \frac{a^{-\frac{1}{2}}}{b+\frac{1}{2}} \circ \frac{a}{2} \circ a \circ b$$
 (1)

$$= \frac{0.5 \times 10^{-3}}{0.43} = \frac{4}{0} \text{ result}$$

 $0.000\,\mathrm{GeV}$) was sons during σ_{c} and

for the set () and () strong (all the $v_0^{(i)}$ is some v_0

fatio as a part minigly give

I was do instead of the including a collec-

$$\frac{B_{ij}}{a_i} = \frac{a_i}{a_j} \quad a_i y_i = y_i y_i = -a_i k$$

$$\mathbb{S}^{n} = \{0,1,1\} + \operatorname{inj} = \operatorname{qua}$$

$$(n-\frac{n}{A+D})=\frac{p}{p-2}$$

$$c = -A = \frac{\rho}{\sin \rho} (A - b).$$

The first tensor to the particle to be about the first field π

while the Health band of the state of the quantities (x,y)

Example 1.

Sworths to two quotients & b, 2a = 1.... 2ns). Historian subjekt in his (2a × 5.72).

Bot cor

$$|\mathcal{D}_{\theta}=|\mathcal{D}_{\theta}|+\frac{1}{\theta}+\frac{1}{\theta}$$

$$\Rightarrow \qquad g = \exists h \colon g = a_1.$$

$$=\frac{22k}{12k} \stackrel{(1)}{=} \frac{1}{n}$$

Color of the bank is the color

Ékrimbla 2,

If $C = C \in C \otimes C \otimes C$, the context of the context of C

50 J.u.

The South the Stone accoming a

for an entire in the state policy processor.

Bude contained

 $\mathbf{a} \cdot \mathbf{b} = \mathbf{c} \cdot (\mathbf{0} \cdot \mathbf{p} \cdot \mathbf{a}) \cdot \mathbf{p} \cdot \mathbf{c}_{\mathbf{c}} \cdot \mathbf{b} \cdot \mathbf{c}_{\mathbf{c}}$

 $2.77 \pm 0.00 \pm 0.007$

 $20 \text{ a} \cdot 0.00 = 8 \cdot 0.000$

Haan He J.

$$\inf \frac{(D_{i}h) \cdot x_{i,j}}{2h} = \frac{c}{1} \sup_{i \in \mathcal{C}} \sup_{i \in \mathcal{C}} x_{i,j} \cdot x_{i,j}.$$

Souther.

$$\epsilon = 100^{\circ}$$
 , and ϵ , which is the

$$\Rightarrow -\frac{10a^2 + nb}{8b} = \frac{30ab}{ab} \frac{Ab^2}{ab}$$

$$= -10 \left(\frac{a}{b} \right) 1 = (a) + a \left(\frac{b}{b} \right)$$

$$\Delta W(W)|_{L^{\infty}} = \frac{8}{5} - \epsilon^{-\frac{1}{2}}$$

$$v = -28 - 10 \left(\frac{15}{2} \right)$$

$$= (2a^2 - 2ba + 20 - 0)$$

$$\Rightarrow \qquad \qquad \tau = \frac{\pi}{6} |_{QC} \frac{h}{g}$$

Hydecolor (6)

Types of Datio

Theoremanth is A 3 I have their page a

- $\delta:D=P:q\text{ then}$
- r = 0 unblocks falls of $e \in S(p, A)$; $q \in A$
- Fielicete minist 4, Big 13, g2.
- γ . Such conditions, with γ is γ , γ , γ , γ
- 人 Bund kitale (1人) 人名伊克尔

Example 1

In a ratio of two covers map $AA \in [a,b]$ to which is the "15" a step standard and the [a,b] and [a,b] and [a,b]

Sources.

The research sale official A.A.B. $(4)/\sqrt{6}$

In ordal case, (ϕ,ϕ',g) , single set

Pagartiya

in section is comparisonal two constraints well. The two tailes are equal from all the quarries comparing them, posted to belig precedentals.

$$\frac{1}{1} = \frac{n}{n}$$
 then a, b, a L assembly proportion L_{10-2}

defective builting exponent $\beta \in \mathbb{R}[x]_{0}$

Figure questions of the are jacon from

$$\frac{2}{r} = \frac{2}{\rho} - \operatorname{possion} \log |A| \log \operatorname{BP}(\operatorname{arg}(\operatorname{and} \operatorname{curve}(r))) \log |P| \otimes \frac{2}{\rho}$$

is. It is our earlies the production in programme or other the

$$\mathcal{Z} = \{ \mathbf{r} \in \mathbb{R}^n \mid \mathbf{r} \in \mathbb{R}^n : |\mathbf{r} \in \mathbb{R}^n \}$$

contrantable de la libration d

$$\frac{a}{b} = \frac{1}{a} - \frac{5}{a}$$

of Preferences we wanted that I show that it is to be a single of the contract

280001-9-1.

Fidder chan purposed the de & synther party). De tilt dynagologi

Saluton.

However disposition 3, + \$77 grain grant off a

$$\phi = S + 2T \phi_{11} + \beta$$
 (Consequence) and the second of $S \gtrsim 2\gamma + \gamma$

tian 14 (Isperion S. 25 Grandy) picco film

$$\frac{3}{55} = \frac{27}{7}$$

S , three proposition $g(S\otimes Z)$ is easy

Approaliers or Propagion.

Proportion in very more usoful in rangoung the semician or incombining in account name series of a first time in a larger series.

ile, bilo id ale il cycponioni

$$\lim_{t\to\infty}\frac{a}{t}+\frac{a}{d}\cos a$$

$$\frac{1}{2} = \frac{1-\epsilon}{\epsilon} = \frac{\epsilon}{\epsilon} = \frac{\epsilon}{\epsilon}$$
 (count or tand $m(0)$

$$r=\frac{3}{6}\frac{-16}{6}=\frac{9}{6}\ln\left(d\text{Widomini}(r+\epsilon)\right)$$

Cathara e dostra la partici

$$|x| = \frac{\alpha}{\alpha} = \frac{1}{2} \left(\text{nwe lands a ply} \right)$$

$$\sigma = \frac{\sigma}{c} + \frac{c}{c}$$
 (abtracted title)

$$|\Psi(t)|^2 \frac{4}{n} = \frac{2}{4} \cdot \frac{\epsilon}{1}$$

$$\text{Prior}(\frac{A}{b} = \frac{1}{b}) = \frac{a}{b} = \frac{a + a + b}{b} = \frac{1}{b}$$

Variation.

The Beate maying of variations make the display-। श्रेर्ण (100), very liveristic in a kontorohjems $\sigma_{\rm FS} \approx 800$ u aproved unilistance a presupulces from the large gesthe write thes

Latte instants there are always as a factorial shared a table $A(\delta_0, \chi_0)$, χ_0 gains all disclarations $A(\delta_0, \chi_0)$ binning will be a exalled the allow Channing by bine processored service perceautours ignorable = pronon control 10% entialla les quitto tific quantity is \$1. And then the sections (0,0) and (0,0) upon (0,0) becomes (0,0) $23 \cdot 100 \times 100 \text{ Heat for which the $6.000 \lefta = $6.000}$

 Careative latters (Eq. top questions) at 8 material Soft for at an Array expension likely to the Heaville Hea ampelle versine i 4.

tenthal tetants with the bigging of piece العصور الإدرائيل والإسرامية المالية (Albertamer 2/3 lims) معود الإدرائيل والوالو

Example .

SANGLAD Life A Silb are versing demonstratible. A 2005 (C. N. A. Rest 50 to lead by the control value of Riр жидео жиз ^{деге}

Estallen

Charge in A is 14/10 times - 4/14 times

Ribectancein Switzeine rams

Fig. B. will the λ (Sign polyridge λ 42 $\pm \lambda$), λ (λ) = λ (ii)

The Dangson we good that it has

$$A = \frac{3}{2} \times \frac{1}{2} \times$$

Premise Variet of

After the second of the rate polymer per in we have Succidias, are invested for this proportion will be n rice se variation?

$$\begin{array}{ll} \mbox{CP} & \mbox{A} \cdot \mbox{S} = \mbox{K} = \mbox{const.} \\ \mbox{CP} & \mbox{A} \cdot \mbox{F} \cdot = \mbox{A} \cdot \mbox{E}_{1} \times \mbox{A} \cdot \mbox{E}_{1} \times \mbox{A} \cdot \mbox{E}_{1} \times \mbox{A} \cdot \mbox{E}_{1} \times \mbox{A} \cdot \mbox{E}_{1} \times \mbox{A} \cdot \mbox{E}_{1} \times \mbox{A} \cdot \mbox{E}_{1} \times \mbo$$

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flow webselvior to office severables. (5.000), in (10.8), in tapeed) is fished.

$$\begin{array}{ll} \tilde{\varphi} = i & -\frac{2}{3} \operatorname{Vix} \cdot \operatorname{im}_{\mathbf{R}_{12}} \\ \\ = i & \operatorname{Simple}_{1} \cdot \mathbf{a} \cdot \frac{\pi}{d} \end{array}$$

; van Leika tari i Albrei, ...(6; _{in Si}

$$\frac{37}{4} = 400$$

$$\Rightarrow \frac{7}{4} = 300 \text{ at } 1 = 300 \text{ mins}$$

Shakar will lake 120 ml/awi, ng alijukgugadi.

Compound Hallo & Concept of Partice ship.

"Tiere are two traces. It wild glob described records in a

0.00000000) and the despth of connectable that $\rho_{\rm eff} \approx \rho_{\rm eff}$ of the parties appeal to division and $(\beta_{i,j})_{i\in A}$ and $(\beta_{i,j})_{i\in A}$ pathonic than plant According to School and Gayy distant little samound to each personal paging of t Half in likes, we hashe be-

Understinate investment of the Fig. 6 (16 kg/g/year) of the insectation in the light plant to the property of arabi - Pri Hillian, Tal

50.703.0 Negliged, new vocasi of trappidfugligging.

Sant L

If the experience in minutely to the presimplet. erreside deci-

$$f_{k} = f_{k} \cdot P_{k} = \{1, \ldots, k\} \in I$$

Summary particles that will be $(j,j)_{j\in \mathbb{N}}$

Exsumple 1.

for earliers of A_i B_i G_i recovering easign B_i G_i G_i ប់រាជន ហែងមកការ និងមានខេត្តទំនួននេះការ ប្រជាជនមួ MAAM Hard Dolf enconnection analy,

Salutional

Since kut econourals some ils al les ne sugger. Parpath of the skilberth Jierar of

$$11.03.1 \times 3.1 \times 3.1$$

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or 2 : 2 : 3 whice mappeds rate.

Date 5

If the investigation in the content of the constant to the first of the content of profit in the same of the follows it tenting the report profit will be

$$z_1 = P_2 - z_1$$

Essuph: 1.

A, $\tau \approx 0$ invox in .448 10000, 13100 & 20000, mapped way the observes three years each which the Lemans of the profile.

Solution.

Binds two conditions stark and \$5 grabby I be shared in the local of Jier greetinger, for its expension

Casa J.

When the instrument its varieties well about block for Properties it was over a waite for the profit change.

Example 1.

A D D levested in some 1990s, 15000 & 20000 inspectively. Navilyen A S B invested 5000 hore write 0 ethicsely 10000 agrees. What will be the left of their gold, after 0 years?

Buluton

For a world look liberature it yes ment value of $A \in A(\Omega)$ expection A

Ethničke Investment, Value přici

as model product by

-xord blg 2

A finished purchase suppose and water in the structure By accling 10 little of water the force in the mess 2 : 1. This discussion water of the boundary in the message of

- (d) 20
- (5) 30
- ici di
- 10.15

Ans. (c)

The appearant agency $\mathcal{A}_{\mathcal{A}}$

The amount alwayers, s

$$\begin{array}{lll} B_{0} (a) (a) n_{x} (a) da = \begin{pmatrix} -4 h_{x} & -2 h_{y} \\ -4 h_{y} & -2 h_{y} \\ -2 h_{y} & -2 h_{y} & -2 h_{y} \end{pmatrix} \\ = \begin{pmatrix} -2 h_{y} & -2 h_{y} \\ -2 h_{y} & -2 h_{y} \end{pmatrix} \\ = \begin{pmatrix} -2 h_{y} & -2 h_{y} \\ -2 h_{y} & -2 h_{y} \end{pmatrix} \\ = \begin{pmatrix} -2 h_{y} & -2 h_{y} \\ -2 h_{y} & -2 h_{y} \end{pmatrix}$$

For expectable larger $\omega = 3 \times 10 = 40.1\%$.

Exsumple 3.

The present of a chapter of Harri A Phys., 15.5 ± 4.16 very elegan principal than ages was 16 ± 10.11 at the electric final 10.00 as

- १९ अर्थ प्रस्तात
- (0) 10 who si
- (c) 87 yeers
- again an garang.

Ans (a)

atme signatus 5 % % w

So such on the right i, $S^*(a,b) \subseteq g_a^*$ (i.e., see splitting).

Example 4

The Indiane (10) in and Shyon, and in the ratio (10) and the notational consistent makes of this interest is a constant.

- (griftlige bei bereit)
- As. 8000
- 200 (04 0 4 0
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Aug. (#)

Let impored be 25, 37.

air, expectance 39, 59.

$$\Delta x = \Delta y + - x(x)$$

$$Y = Yy = 1(0)$$

So
$$x = 0.00$$

อิวิทศกากราช ซีเป็นวิวิ

Herrie (plonts)



Halvest Exercely:

- ing Jour
- th: 75
- 125
- ed) Normal James

Are fall

$$A = B + C + D = 5000$$

$$\operatorname{Autors} = f \cup C (C + A)$$

$$4.54(0) = 0(1.05(0))$$

$$G(8.0 - 105)$$

$$A = F = 375$$

of so
$$f = f C$$
 and $C = f A B$.

$$\Omega = \Omega = 125$$

$$3 + 50 = -6$$

- 2 3/4 exacting to the Augustian property of Lemma of sweet books in 8 days by working a many $4 z_{\rm A}$ to have not ynders it day wieth 2 dwymioth, lake cowork in order to examine the land not contain a ลายพระวาก ซากิก 40 ปฏิภูป
 - (a) 3
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- Ans job
- $980 \cdot Day + our + conviso.$

where we from days for x = 100 , represent $x_0 \in \operatorname{park}(0)$

- I = f
- Interdistrict of 401, so, not source in klamptowite is 10 I flow mith evelst multiprovide, and coordinate at that the following is a strength of the second of the
 - (a) 201 mes.
- $-(m_0 + c) + a_0$
- (c) Attitos.
- idrasats
- $\Delta t \leq t(2)$
- Louvager is a
- f(x)(x = x) by f(x)
- 52:3:3...1,6:3...1,6:3...3,6:3...

$$M_{\rm c} \approx \frac{52}{2.15} = \frac{3}{3} (1 - 400 \text{ fr/s})$$

- A. The mile decrees that numbers is $\mathcal{Q} = 4 \ \mathrm{gap} + \mathrm{he}_{\mathrm{c}}$ 11.74 Bill 10.1 no tine a may 1₈.
 - 71. 371
- *: I.:
- A ia pair
- Lettin Lergigia and \cdots
- 9- 4y=1 (If x 180)
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- 李克·罗二克(1441) 111 年
- iu i bernwah (45, 6).
- ្រាស់ស្ត្រាស់ មនុស្សសម្រាស់ មានស្វាស់ស្ត្រាស់ មានស្វា their acquirein this propriet in the respect to the constant. Bs 1000 for Abing and

- #) Bt (€00)
- 0.01 fix follow
- per Ry 60001
- odi. Palacan
- Ana.(b):
- Purpose of the San Page
- Observations and by 1994
- - $2\pi 2q = -0.09 (1) \text{ Here}$
 - $2x \rightarrow y = 1575 (3)$

Prof. (10 ard 49) we det

$$\delta u = 0 c + 2000$$

$$1.8x - r_0 - 300.7$$

$$\Rightarrow y = -1000$$

- ☼ ran ¥is 600.;
- Div 50B 60 arrors, A. Fis. (10 pp.) By: A getter \mathcal{S}) and a Braziliania Higgs a tenth district to $_{\rm B}\omega_{\rm B}$ Powtas Nation Clar
 - 30 Bt (80)
- Jh. 38 900
- (0) 85 420
- $-(\mathcal{T})/N\log p_{\mathrm{total}} g_{\mathrm{tot}}$

Arra. (2)

$$1+0 \le \lambda + 5 + 0$$

$$A = \frac{2}{3} \left[2 \left(\sin \theta \right) \Delta + \frac{1}{3} \left(C + 2 \left(3 \right) \Delta \right) \right]$$

$$\Delta = \frac{d}{d} B_i \otimes \mathbb{D} (a_i)$$

$$183 + \frac{2}{8}2 + 1 + 48$$

$$SO = \frac{17}{5} R (R + 100, O_{\odot}, \omega_{\rm B})$$

- 7. 1609, for the property contribution of $\Theta_{\rm A}$ (for expectation of Θ Salore B. F. P.21 ductors are nuconcolin (45). Second to the expenses of the following of the ato to weight to be seen of acts as leading a proper $c_{m, m, k}$
 - $(1)^{-1}$
- 1.3 7.
- 63 100
- :m1 D0:
- Ans. (a)
- Let $S^{k}(\Omega) = \{g_{k} \in \mathcal{L}_{k} : |g_{k} \in \Omega : g_{k} \in \mathcal{L}_{k}\}$
- Appending bully given consider
- $A_{\rm b} = 20$ Gy $(20.15) \times 20$, $A_{\rm b} = 3$
- x F.
- $^{160 \pm 130 \pm 30}$ $a \approx 5 \pm 5$ and with adding 2.7
- 401 50 : 30
- Fig. The matrix of these can also be formally ϕ $2/30 \approx 1\%$ (subsolved on the) mediatoring these com to takel the same nitriggroup (c
 - ទំពស់ ខ្លួក
- $(0) \times (0, 0)$
- 2011/03/31
- (c) b 8:3

Aris. (d)

Concett are letter state 2 (0) 4.

radio of time taken set that $\frac{1}{2}:\frac{1}{2}:\frac{1}{4}$

$$-\frac{(1+\varepsilon)^3}{(2\varepsilon)}+\beta(1+\varepsilon)\beta$$

- 8 Aller at interest on the both Point in equal and each or www, a medicinic range (n.)-d. [Fig.] is brighted based.
 - 30 SML
- 100 AM
- Apr (55)
- 105. SE

A. B. (3)

- -17₀3
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$$\mathbf{f}_{\alpha} = \mathcal{G} \mathbf{S} + \mathcal{G} \mathbf{y} = \mathcal{D}_{\alpha} \cdot \mathbf{v}_{\beta} + \mathbf{y}_{\alpha} \cdot \mathbf{v}_{\beta}, \ ..., \mathbf{y}_{\beta}$$

artly 4 12 19% wildlies the along condition

- Or 1.7% 50 services a norm 1.00 and entered to, soul \$15 kind year modigate 2.5 plants 0.1 time services hand contracts and sectionary.
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id: G.

Ans. (b).

- Timpo number Olgi bayara baya da sana gibar manazaria
 - 0.79 a $_{\rm F}$, $R_{\rm f}$, 85

211.

imer (Handishwayet

- $0.000 \pm 0.000 \, \mathrm{Mpc}$
- 5 1 y = 15 t
- 1 -11
- Se, i.d.: = 4 u = (8 y 8). The mode to possible out of the
- 11. As mode to complete in the action of the subset of control of the subset of the
 - Assistanting
- _(b) 25 !h-∞
- to USE ifted
- [(6]) 20 25 () 43
- or suitbill
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$$\gamma_{\lambda} x_{\lambda} = \frac{\partial x + y}{\partial x_{\lambda}} \frac{\partial}{\partial x_{\lambda}} = \frac{\delta}{2\lambda}$$

- $=\{0,1,\dots,0\}$
- 1.4 .5
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- mile collected in the
- 32. Mg § Describite of the purpose number of Hour, 50 p. And 25 to his mention of 35 p. Brown and an age p. Colors for the Security of the Colors fields in Security of the Colors fields and the colors for the Security.

- 163, 75
- 50.72
- 91 BC
- (v) Hark offices:
- Ans (d):
- Conduct Date 168 : 74
- $1 \times \text{given}$, res. $12x \in 100 \times \frac{1}{2} \cdot \frac{2}{4} \times 1 = x_{21}$

$$\frac{49 x \cdot 700 x \cdot 7 x}{1 + 4 x} = 4 x$$

- $(5...+9.\times)$
- . +
- 18. A variety foliation $P \mapsto P$ and |C| id use by the A = S when B = S then this standard $P \mapsto C \mapsto C$
 - 101 H/ · ·
- P 1 05
- :: i :::::
- ::: 106
- Ans (b)
- $\Delta t = costaction$
- $A \sim \sqrt{(0.55)}$
- Bulk⇔ Hot
- A = A(1, x, 0)
- $-1\times(2....2)=33.$
- 14. It is valide in y if x by let y be those y matricely and y = 4 when y = 10 for 10 when y = 40 when
 - :0 141 0
 - 321 33
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 - fati Caur or incidate inkind
 - Aug. (d):
 - · k ·
- $a = \frac{k_2}{2}$

Absorbing to green write.

- * ...|. -:
- $S(-1) = \frac{1}{40} = \frac{7}{5}$
- $(48) \cdot (4 + \frac{R_0}{2})$
- $\Delta z / k_T \sim 14\pi$
- out varie of their chakers
- And is said of bedely fired.
- Use A description of suppression of a Unit of Lapton and Maler in Lephocorpolic 2.1 by miles explain as the Added to the control of windows the 7 (4)?
 - IHL 35
- 14 B
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- . It should be that $\{I\}$
- A % (b)
- ide. Aing e na water ar-ân a na £a tareg
 - $8x \cdot 2x = 19$
 - -2x = (x 2x + x)

Now
$$\frac{32}{1000} = \frac{7}{5}$$

$$98 - 467 - 406$$

$$236 \pm 124 \leq 46$$

ESTUDIO (T.

Ratio & Propertion



Practice Expresse

- Fundado en o operiorni velha numbersi 0,48,300.
 - (a) 52
- 50i 49
- for Notice of Season
- Figure 2001 programme in the participation.
 - 9.5 441
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- (b) furnishment
- The prices of a second are a total and so in many. the lettrick's 12 the souther costs 7x **800** (pyre than the televicion set it with the price of alcois on sat e.
 - (5) Fig. 1990.
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 - 150 To \$20.
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- If enabled present up to at Serzemeer McNesh as 2.15 . If offer 2 years that a gas will be in the relative μ 1: Olimbip Redit Sum of Mölliküblisi
 - (c) Pryson
- int 28 years
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- (6) Sure of Less.
- Two harders are in the ratio of 5 (7) if 125 being submorths from which may are in the radio of 05, 59 End the difference bitmet voluments as:
 - 许 差。
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- (J. 24)
- (d) Figure of Tiese.

- Rights invariant medicant be adopted in depth of the r un ber8 2, 21, 16 and 21 to make the ratio of list. lwe jumpers usual beste stroud estilwen jeste la
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- ác, 😥
- (a) Honorth Press
- a. Particle continuations advisor in transition 12 : 5 | On eachig 14 lines of water, the rate of elConclind water Septimee 1 . 3. 제공 Quantity of scondintier istre si
 - (9) 16 fill ex
- (x) (21) 93
 - (b) 26 Linear
- (d) Ame of mase.

Salations.

- i., Amali(b).
 - or a politic loaning opening than

$$|\Delta O| = 0.5 \pm 0.33 + c + c + \frac{5.5}{40} = \frac{0.01}{c}$$

$$\chi = \mu = \frac{50 \times 30}{60} = 32$$

- θ . And (n)
 - (Blabet eth i proximonden

$$4 + 40^{\circ} : -40^{\circ} : 1 \leftrightarrow \frac{3}{40} + \frac{42}{4}.$$

$$x_1 = g \approx \frac{12 \times 40}{3} = 44^{\circ}$$

9. Ans (b)

here, a = 0, b = 2, and a = 600.

... The or opinion tale-miss say

$$=\frac{b^2}{a+b} = \frac{2 \times 600}{5 \times 2} = 3 \times 1757$$

- Aug. [d]:
 - Ha⁄a ir √7 i ₂...2 d. ≤ 5 a1d (₃...11
 - $\label{eq:condition} (1-\Delta + \Delta + \Delta + D) = (n_1 \times n_2 + (n_2 \times n_3) + (n_1 \times n_3) + (n_2 \times n_3) + (n_1 \times n_3) + (n_2 \times n_3) + (n_1 \times n_3) + (n_2 \times n_3) + (n_1 \times n_3) + (n_2 \times n_3) + (n_1 \times n_3) + (n_2 \times n_3) + (n_1 \times n_3) + (n_2 \times n_3) + (n_2 \times n_3) + (n_1 \times n_3) + (n_2 \times n_3) + (n_2 \times n_3) + (n_2 \times n_3) + (n_3 \times n_3) + (n$ $\Psi(7 \times 8)/(3 \times 3)(15 - 34)$
 - w 125 400 (500)
- Ans. (b):

We have, $A \cdot F = A \cdot \phi$ and $A \cdot C = a \cdot B$. Instead $p_0 = 4$, $p_1 = 5$, $p_2 = 5$ and $p_3 = 2$.

- $\label{eq:conditional} \mathcal{L}_{i} = \mathcal{L}_{i} \cap \mathcal{L}_{i}$
 - $\mathbf{w} \in \mathbb{R} \times \mathbb{R}_{+}$ (in a $(3) \in \{\infty, 3\}$
 - 50 Page 20 of Action

Thos refood noneway Arguige jurge Margui 8 19508. Shortery has fig. 20. The time in of money Manustat.

$$=\frac{230}{2}\times6\times72.420.$$

ß. Acs. (c)

We have $A_{-3} = 7$, $a_{-3} = 4$. Resulting

$$t = 1.0 \text{ Annier Lage of Mathematical} \frac{\log(t+t)}{80 \cdot \sin}$$

$$=\frac{1+3}{77/3},\frac{1+3}{5\times4},\frac{1+3}{1+3}$$

Ata, (2)

We have unit = $5.0 \times 5.05 \times 25$ as and 4.05

$$A = \frac{1}{2} \ln \left(\frac{1}{8} + \frac{10 \cdot 3 + 6}{80 \cdot 36} \right) = \frac{10 \cdot 3 + 6}{80 \cdot 36} = \frac{10 \cdot 3 + 6}{35 \cdot 39} = \frac{20}{35 \cdot 39}.$$

and, the keys to number
$$\gamma = \frac{ladd}{r(t)}$$
 at

$$\times \frac{7 \times 25 \times [50 + 35]}{[50 + 7 \times 35]} = 51.$$

... Tradiformation services

. δ1 (O) # (A)

B. Ans. (a)

Here, x = b, $b = \beta$, $r = t\beta$ and $d \in \{0\}$.

 $z\in \Pi$ uncommuted the same

$$\geq \frac{1}{(1+\epsilon)} \frac{\log - n\epsilon}{(1+\epsilon)}.$$

$$= \frac{29 \times 13 + 5 \times 01}{\left(6 + 0.1\right) + \left(2 + \frac{5 \times 01}{12}\right)} = 5.$$

$\mathbf{Z} = \mathbf{A}_1 \times \mathbf{I}(\mathbf{x})$

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Telling qualities for 12 years at a popularly.

Standing to Inspire year sure contemps (1)

$$\frac{199}{50 \cdot 14} = \frac{1}{8}$$
$$1 = \frac{7}{2}$$

Quantize of most $x_0 = 12 \times \frac{1}{2} = 42 \text{ jpcs}$

<u>aubora</u>

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- ii. Ant BID and Devindra process rotal partnership. And rection as 12000 to \$1 and by Native conditis. 1200 for the contracts like in the joyest per 85 at 200 mod 2 in a pile. At 10 and on a partnership was a problem Hs. 20000 Find Description in the coll.
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- $3.1\%~\rm M_\odot$ wherefor the algorithms proportion in the

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- $\log_{10} R_{\rm L} R_{\odot} R_{\odot}$
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 - iet fig. 200.
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- $b = 5 \times 100$ h. At easily J is shorted in Fig. (200), $\pm 46 M_{\odot}$ ្តិ បានប្រជាធិក្រុម ខេត្តព្រះបានការបន្តិសុស្សបន្តការប cos sholten y $\sim a_{\rm s}$, to of district vects frollowed in uša foduninki $oldsymbol{a}_{i,j}$ 20000 mapan, v $oldsymbol{a}_{i,j}$ at a $oldsymbol{a}_{i,j}$ investment in the business?
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DOUG

का नेप्रदेशकान

- Are (c)
 - $\operatorname{PS}(\Phi, \{0\}, \{-1\}) \operatorname{PS}(\Phi) = \{1, 2, 2, 2, 0, 0, 1\}_{\mathbb{R}} + \operatorname{SS}(\mathbb{R}^n)_{\mathbb{R}}$
 - x = x + y = 0 for $1 \le y \le 1$. The part y = y
 - Alta Corporation (fig. 5).
 - $=\frac{(1+\infty)r_{p}}{C_{N^{2}}\sim C_{N^{2}}}\frac{\sqrt{2}}{(1+\epsilon)}.$

 - $=\frac{1.972010000}{100000}=10.0000$
- 2. Ans (c)
 - We have $C_1 z_1 \approx 3500-40 \pm 42005$ and
 - $\Omega_{i_1} \times I_{i_2} = 2 \times \ldots \times I_{i_m}$
 - $\operatorname{Hom}_{\mathbf{r}} \frac{\operatorname{Proj}_{\mathbf{r}}(\mathbf{r})}{\operatorname{critical}_{\mathbf{r}}(\mathbf{r})} = \frac{C_{\mathbf{r}} \times t_{\mathbf{r}}}{C_{\mathbf{r}} \times t_{\mathbf{r}}}.$
 - ... 2 427.22
 - $\sigma:=C+\frac{(2000\,n^3)}{3.14}=(2.20\,9)$
- 2. Ans (s)
 - Belli, the count of a Biant Clare Street (1, 1)residels of a Branch be 0. Submittee, in specifying Table is finishing of the imposed near the αr $2.35 \cdot 10^{-1} till 9.89 still finness interrespublic til by$ -Мага ў Соцыя се рокаме ў

- ំសារ ២នាមែន ១៩២៣គឺ (២៤) ក្រុ
 - $x \in \operatorname{KL}_{n}(G) \times \operatorname{Id}_{n}(G) \times \operatorname{Id}_{n}$
 - 一篇《型》:15 × 36:30:30:45
 - =8 1 (18 m) 2 8 ...
- 4. Ang. (5)
 - Wetake, P. J. P., J. P. annál Landon (g. p. 12)
 - $1.11 \text{ Exp. for the total } = \frac{3}{5} \cdot \frac{7}{11} \cdot \frac{5}{11} = \frac{4}{5} \cdot \frac{5}{2} \cdot \frac{5}{2}$
 - u. 18 6 6
 - Thus $\Delta(B(z)): \mathbb{C}$ invested that $\operatorname{Gaditanterical}_{A(z)}$
- lin Alba tuli
 - A integration of A and B is specified the α -section 7 (8) C. Lea on thB Y. Hegguran hegging ϕ_{0}

Then
$$\left(\frac{5 \sqrt{8}}{17 \cdot 18}\right)^2 = \frac{1}{2!} \Rightarrow y = 10$$

- Մ. Auna (զի
 - Give that $=\frac{2}{3}(\frac{2}{3},\frac{3}{3}+3)(5+4)(5)$
 - 9. The solid by the Agr Eq. (3), Here $4\xi_1/2m_0^2 \sin k_0$ processor and a
 - #683 % i puedra e 75.
 - $\sim 1000 \text{ km}^{2} 4.01508 \text{ M} \cdot 0.008 \text{ kg}^{-1} (cg + 1200)$ (File 37)
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 - So share this period is $\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \right)$
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 - 64 January publishing, 770,
 - foot pictory and Bullion
 - $2.16070 + \frac{3}{11} + 0.187, 270 = 56 \pm 0.0$
 - Also and provide the Geometric Boundary of the $\Omega_{\rm B}$
- 8. Aus. (2)
 - north Acception to Artel () 发
 - 1976 12. (などで) マンシンの タ 5

$$\frac{2003 \times 12}{2} = \frac{30}{3}$$

-lig 240a)



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Average

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$$An A_{124,123} = \frac{2 \left[\frac{m_{11} \cdot 1}{2} \frac{a_1}{a_1} \right] \cdot \min \{ m_{124} \cdot \frac{m_{124}}{a_2} \}}{\log n_{11} \cdot \min \{ m_{124} \cdot \frac{m_{124}}{a_2} \}}$$

Residing the month with augusts

 iii De vatinist Heath kan is in notatigleg i re sonovatia? Then the accordance a propositions with else horopse by P

Exemple 1

House who experiences 5 our berdies, 400, 100, 550, 100, and death number is majorised by 3, 10 err in dious thriftee average.

Solution

$$10 \text{ to two ergs} = \frac{200 \times 80 + 40 \times 60 + 40}{9}$$
$$= \frac{1000}{\pi} \pm 80$$

30000 AVA Age = 10.01 accompo ± 5 .

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Afternors way of Calculation of Average

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$$\int_{\mathbb{R}^{n}}\frac{Q_{n}^{2}-Q_{n}^{2}}{2}dx^{2}\int_{\mathbb{R}^{n}}dx^{2}dx^$$

Example 1.

Sisteman (hamman weigktood (d. 1997) an golf 74 - 9 Thomasis according

Solution:

Let us assume the interaction as 6.7° (see some eggs will be

$$67 = 1/(\frac{6.44 - 2 + 7}{6})$$

 $67 = \frac{1}{2} \approx 65.65 \cdot 69$

Concept of Walghted Awarago.

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tive contracted bloom branching also factor is case the countries of probabilities as the probabilities of the factor of the probabilities and the factor of

$$\frac{\text{Invariancy is }}{\text{foliable out best}} = \frac{201 \times \frac{50 + (\text{see N})}{50 \times 90}}{(\text{see N})} \frac{20}{9}$$

$$\frac{1200 + 2100}{(21)} = \frac{3300}{(21)} = 340 \frac{1}{(21)}$$

This so importage is estimate weighted as eigenand weighted average Assolutions as

$$\label{eq:decomposition} \text{Symmetric} \frac{\lambda_j A_{ij} + \lambda_j A_{ij} + \lambda_j A_{ij} + \lambda_j}{\Gamma_{ij} - \Gamma_{ij} - \lambda_j + \lambda_j}$$

where this a_1 is a reliberium per of elementation of a cup to White x_1 , A_y , A_y , and the average of the above

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Example L

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So alion

$$\Delta v_{\text{SMS}} = \frac{2 \times 37 + 7 \cdot 73}{3 \cdot 7}$$

11 8 mie 12 80 ±2 %

$$-\frac{74-89}{5} - \frac{743}{5} = 78.8$$

Include gated laverage has leade range of about each in. The look plage model not be recessedly the number of Hamerian tics: being of traducistic of group that offer the groups standing in the rotal, the will see some exemples here.

-xempla 2

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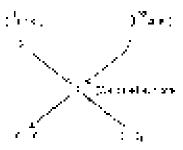
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$$T = \frac{17 \times 6 \cdot 116 \cdot 16 \cdot 16}{19 - 9}$$

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Example 1.

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The problem
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Attemate

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$$=\frac{4\times 1\times (4\times r)}{r_1(4\times r)}\approx \frac{35}{5}\approx r_1^{15}.$$

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Solution

Catellia) besond

$$HH = \frac{J}{2} \times 100 - 3.0 \, \mathrm{fg}$$

$$W_{\rm MM} := \frac{\zeta}{6} \times 100 \quad (8.15)$$

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$$1 = \frac{10}{400}$$
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Orda (c)

Average equal of Millioners

$$\underline{-s} \mapsto \underline{-\frac{s(s) \cdot s^* \cos (s + s) \cdot s^* \log s}{s_0}} \underbrace{+ s \cdot s \cdot \log s}$$

- 1/3 (i) to the second of the second of the 1/2 to 1/2
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then, average injustified the only and the oring gar-

$$\sum_{i=1}^{n} a_i \sin a_i \cos a_i \sin a_i \sin a_i \cos a_i$$
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$$\Leftrightarrow 1.5 = \frac{5.36 \cdot \cdots \times 1}{5.6}$$

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 36

2. The eventue warphors are the social underlied and of our and Control organization of the average over the extension of the eventue of the extension of the eventue of

$$(a) = (1,a)$$

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June 3 Apiel Lint A.B. Clare, N.

$$x_1 \geq 2\phi(1-x_2) \leq x_2$$

phright of 614 323 1098 4 27 Ug

$$\chi_{\rm c} = 4 \pi / g \, m \, m \, H = 8 s + 2 = 4 + k \mu$$

description of weights that $3.3 \pm 0.9 \pm 0.6$

$$1 + 3757 \cdot 10^{-1} + 35 \cdot 10^{-1}$$

Jumpi ktief alt 190 Elaid F

$$\cdots \to 78 - 8.5 \pm 5.5$$

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- 3. Yyay Brittle: Heapertail accorage on Schlivs, in the Tunib, inning, no scares 100 and althouby transpace by the interpretable as is
 - (6) (5)
- 40.24
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Ans. (c)

. At this old average and now average by $\gamma_{\rm emb}/\gamma_{\rm response}$ respectively

$$(3.51 \pm 3.5) \times 4.5$$

IJ

 $and y = \frac{8x - 100}{5}$ (1)

From (i) suddition (j...)

- -2.6a 95 90 + 90
- \rightarrow 2 27
- $v = v = 2.5 9 \approx 39$
- 7. The everage sign of 8 corsons in a variables is increased by 9 years with two har lagor engages and 45 years are acceptable by two words. Fire the scenage ago of the consortian.
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Ans. (e)

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- tte, the sum of equal of walking when a they years. Then sum or ages of 6 concurs explaining (45 men). Ingap 55 6: UHS years.

$$= \delta \pi \cdot (24 - 49) - 8r \cdot (80)$$

$$\operatorname{again} + 29 = \frac{32 - 33 - 3}{2 - 3}$$

$$= 50 + 16 + 26 + 30 + 3$$

$$-2\cdot b_1 \cdots \cdot b_{k+1}^2$$

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$$=\frac{60}{2}$$
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- 6 The appendiction that in gring form dapper to Alphabed is 100 smarrowine when busing book not Alphabed is Naugur to specials 160 km dis Finding average specific ring (harvoyle gargos).
 - (2) 1.25
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- 250 (20)

Ara (d.

Let the distance between Allers and ordered by $p_{\rm eff}$ be a rank

$$\frac{2 \circ 100 \circ (.0)}{280} = (20.456)$$

- 8. The agout Mitch and Pools is in trained by 1. Applied years. He record dwill agon will greating \$1.6. First the average of their consequence; years.
 - 91
- Fe: 12
- (%) 17
- $A(0) / 2 \alpha$

Ans. (a)

i MMC (reuse), agent 1935 i kardı maja be 2 julia. Buyyana taspittirinde

$$= A^{\frac{1}{2}} \frac{S_{\frac{1}{2}} \cdot S_{\frac{1}{2}}}{6x - S} + \frac{S_{\frac{1}{2}} \cdot S_{\frac{1}{2}}}{6x - S} + \frac{S_{\frac{1}{2}}}{1}$$

- = 144 AS 35% 35
- 5 Ph. 15

$$1 - a = \frac{1}{2}$$

Han Willeser Legge ero Hand Rynnis After um yezholonal hages will de on eus ha yezho. El Gwarge manalhages

$$H_{1} = \frac{1}{2} \stackrel{6}{\sim} = 12 \log_{10}$$

- End the average of the last wheaters to make set
 - -199 ± 7
- ujn), 37.
- 151 (2)

Ama.(d)

Simple: Bifret 64 hallura inventos s

$$=\frac{(7.37 + 5)}{5} = -7.5 \le$$

$$... \quad \text{1--reversible} = \frac{2950}{97} \cos 2$$

- Bind the average of a litting numbers between as another.
 - CM 25.5
- ::L) 25%
- 119 STC
- -327 Ellis

President

from kied with earlierneed 0.0 and $50\,\mathrm{MeV}$

- \$1,97,41,50,77
- \pm Cookleyerage

்பி, The average of SiconSecured miniputing miniples next two ran bera are also the மஞ்சு நடி தகுகரும் rat

- igy internaced by Coulfill remembers as same.
- increased by 1.4 (d) increased by 5.
- Ama. (7).

to, he five consective rainbete was a million of $g = S \cdot \gamma \otimes 1 + \cdots \otimes L$

Cive:
$$\Gamma = \frac{x - x - \frac{x - x - 2 + x - 3 + x + 3}{5}$$

 \Rightarrow 1 - x 1 Z

the average after notating life next we sumbers

$$=\frac{1-\frac{1}{2}-\frac{1}{2}-\frac{1}{2}-\frac{1}{2}-\frac{1}{2}+\frac{3}{2}+\frac{1}{2}+\frac{3}{2}+\frac{1}{2}+\frac{5}{2}+\frac{5}{2}+\frac{1}{2}}{2}+\frac{5}{2}+\frac{1}{2}+\frac{5}{2}+\frac{1}{2}+\frac{5}{2}+\frac{1$$

- $1 \times -3 = 3 2 3$
- **⊢** I i

Launce the receipts the senses by Li

- 10. Tha 349 says of 56 names to 36 if 140 nambers. nablely, 4) and 05 are dispersion, the average of the secretally countries of
 - (22.5)
- (L) 27
- pri 27.88
- odu 370a

Ana. (d):

Sterriga 50 hijimba si

- $-38 \times 50 \dots 1000$
- Sprillergining or less

average of entiring runners.

$$=\frac{5000}{400}$$
 ± 57.5

- 14.065 average exegrated letter is perfected by $3/\phi$ smonlesse getablis walgaing 190 kg in replaced by another person, Find the worder collections assess 2
- 16) 38
- $p \in \mathcal{W}_{\mathcal{F}}$

the, the acasena war, combined the year belong । सर्वे अस्ति । स्टब्स्ट्रेस । स्टब्स्ट्रेस

Also, bedd erweight on the cores, bry to

Then, Fig. 8 =
$$\frac{8x - 80 - y}{x}$$

- \Rightarrow for 15 50 60 y
- $-\epsilon = e^{-\epsilon} + 109. \text{ Mpc}$
- be average appointe instance of Scatt Moving. the Nayre, Heal a 30 The average Agains of the players is \$4 and that of small or secol 5 diagens. texts y staffa each troop me tight texts, as 56, duties the agatan esa econal no ded medhero Pasaika groups, from line are ago of the displain

- 12年 福
- :::: :a.
- (5) 50
- Complite percentage

Let no ego of the cap ain two sypars.

$$-70.30 \pm \frac{27 \times 51 \pm 1.29 \times 5}{1}$$

- .э. 000 = 105 -: у н. 145
- $t = t_0 \times 30 \, \mathrm{kHz}$, $\mathcal{O}(0.0) \approx 0.05 \, \mathrm{cmpcs}$
- 18. Cut of three numbers. To first in the exists accomund Linca firmes the first. The sive kije ϕ_{i} , ϕ_{i} , ϕ_{i} Vincers a 58 The shallest rundoms:
- Y 23
- [11, 43]

Analida

use will sum extremount from the construction galax

$$\frac{n}{c} \ln \frac{n}{2} \exp 1 \ln$$

$$h_0^2 = \frac{2 + \frac{11}{9} - \frac{11}{2}}{2}$$

$$\operatorname{sol}(3) = \frac{3}{3} \left[\left(1 \right)_{13} + \frac{1}{3} \right]$$

$$\sim 288 \pm \frac{\alpha}{2} \times \frac{10}{6}$$

$$>$$
 The same estimated observe $\frac{n}{3} + \frac{32\pi}{3} \approx 49$.

- Ito avolage pitarent volgung (§ §) (§ §)
 - 60.0
- JL: 9
- 0.1 12
- Aug. (b)

As a such that
$$\frac{df}{dt} = \frac{2+b-4}{dt} = \frac{d(x,t)}{dt} = 0$$

- Nati iste avesnoe ee mportet yn dit (di 20400 Dyses piser 999-24-410. The lave against source of the first we dose was $28' \, \mathrm{CeIh}_{\mathrm{c}}$ compared to g_{CeI} , g_{CeI} , g_{CeI} Date most was:
 - lar 20℃
- 7517 (12)
- 101 20 P.C.
- (II) sking of it one

A M. Coll

Lot Politano i del SP el December Lori Collingo

$$2x + 2 \frac{2 \times 2x + 4}{3} = 25.250$$

- 16. Hälekeikigu til 28 topi religia appretermen sammen. estilla is zuch mait de norditate een andernaar gre WEIGHT N
- (F.) 14%
- (2)
- Ir : 14
- An ini
- recognized everage.

$$= \frac{76 \times 30 + 10 \times 20}{100} \dots \frac{1000}{100} = 24$$

- \$7.100 Are regarded to an experience of the control to the control of the control Section that were the Section of the district of the dis-A10 Proceeding School (PC) and only one of section Noting $X^{m} \otimes U$ with the position measurement was 94.50
 - 141 BY 61
- 4F2 (ξ]
- britished server of Tuesday and Worker day. -3 - 10 - 36 = 3.16
- the state of the risk of Mondey, Telepathy, the Nonnecky $x \in \mathcal{X}$ if -30 = 1260

HUGG

inverage



Pratition Exercise

- No tax 6-25 stude using poster. The number of sulterising on sorthy 4, the care reason members. www.narrosco.cy.nain2[lendsyk; define weelbue $\operatorname{cope}(SA)$ be $c \mapsto \operatorname{resolding}(\operatorname{cop}(C_{S}) \circ C_{S})$. If the $c \in C_{S}$ a introduceron in control mess.
 - for Bulletin
- ara 15 116 -
- LU Briefer
- (i) Ta. 429
- S=20 , consisting the soft advances 78000×1002000 mondation also says of \$00 kp all, notices, esp-10 July Exposition Indicators at
 - ik, ild. massi
- $-10^{12} \times 10^{12} \times 10^{12}$
- (i) As argued
- i ki 575 yrm
- J. Traduction original Walliger stollaggion Apia. class a 68 kg of eressit, is average long that 66 $\,$ 2. Per la di succi anol se non asimo caso la 35 Silvip. ting the accomprise (gr.,) before adjusted as a first 1.835.
 - 191 A.A.A.K.L.
- [31,800,893]
- (r) 58 Log.
- Th 51.7 cm

- 4. The eventual more solary that $\mathbf{x}(\mathbf{x})$, i.e. \mathbf{y}_{i} , \mathbf{y}_{i} is 5e.2450 . Decay already of the subtractions monthly: ASIMy a Del 285 d. Film the everage subsylor mewe no nine A consens of the xis-
 - (5) To 1820
- for Bruchani.
- 93 18 90**%**
- 43: No. 2320
- 5. Figure 8 square lave ago upo of a formly of Simplifiers was |X| stars |M| all |E| |G| |G| |G| |G|discryther excluding temperature for some excessions will на бразова в пред Агу.
 - (a) Tyssan
- $P(x) = 2\frac{1}{\pi} \left(y(x) z \right)$
- Contraction of
- δ . A belonger than the reference with $\lambda \sim 0.09 \pm 0.05$ I is not all distributed in the $\{x^1,\dots,x_p\}^2$ by $\{x_1,\dots,x_p\}$ been invious.
 - $97 \times 47^{\circ}$
- 1000
- (c) (d)
- 17!1 45
- 7. The spin of in experiment is 88.07 and 98.4 ± 4.0 Sistenda Marchiller P. Day displayable according and θ for equal θ , then the second γ of $\Gamma_{\theta} \subset \mathbb{R}$
 - (4) 30
- thr 30
- 121 .4.
- (51.48)
- An unborscound to Confine vertigals 5-7, Many. മ വനായും ∥ിലെ ഭഗകളെ ക്യൂപ്പിച്ച ആര്യം നമ value et vije.
 - (a) 17
- ich der
- of bonder exec
- S. The problem against a character $p_{ij}(y_{ij},y_{ij})$ დების I+ა თვიბრ, დაბან გიმაც ყოვექ უფფი გაქ. So years acreed very preterior and the expansion, Control to average against an Remount of
 - ki) iztyawa 🗀
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- (c) núberos
- Lattic Pagests
- Of the no lage steed of all things a highly steed of $x_i = 0$ and the probability k_i and $k_i = 1$, an reproduce the second of the contrary graphs and $\tau_{\rm c}$ and $\tau_{\rm c}$ de in ditaliated 100 retainments is man pa

 - $(5) = 84 + 80.5 + (6) = (6) = 98.8 \cdot 6.5 \cdot 6.5$

 - (c) 10.0 (mft) (d) 25384 月。
- (1. The sections weight state as \mathcal{A}_{i} four times as \mathcal{A}_{i} and shine Environment and telephologopera. produces 80 kg. If the near the Lawrence space $\log 2$

*5*1!!

0 spin to obtain that of Eq. epistode At Invariants topological to 0.00 . A with concern 0.000 , in weight of 0.00

- $(g) \in \mathcal{D}(k_0^n)$
- df) 72deg
- 20 75 LC
- gri 801.g
- 19. The average contains problems by 3.8 count does was 36. If the size age of modes of peaked onto dates was 0s and that of faller, rend does wood good in magnetic cates was consecting standard in
 - (a) 100
- 31: 1.1
- (1) 195
- 32.151
- 15. In a notion of section 2. cover where a normal legic is general section 2. Properties when the length of section 2. Section 2
 - (a) May 64.11x
 - (b) It years
 - par de visita mantis.
 - \$1.47 ex. 10 cold s.
- 14. The average class wapes of A, 12 and C in 1 Culling entries Bs. 40 mail chan C benefits and the parts of A per activities helpful Centric be in typic wayes of A per 20 y 6.
 - (4) 48 80
- pt Bt 1994
- (c) is 15.1
- (2) Bx 1005
- 38. With an extragge sheed of 40km / metric inequal exned defination, on time of the easy to minute the sets subset of to 95 /mm of law by its immute. The later price by is
 - ta, sekir.
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- erji zolkimi
- ing Billion
- 16. In a competitive earling in a transposition in a storage pass definition of the relation of the relation was to provide in a model satisfactor of the relation of the r
 - $\{\mathcal{G}_{i}^{*}\} = \mathcal{G}_{i+1}^{*}$
- 16. 1.50
- ng 540.
- 10 1 T 4
- 1.7. A man kenose however contrage is 12-4 tekeo 5 to elect for 50 min and horsely concesses as see against 0.4 man in the important laken to bit she'd ellis last reams.
 - 60 3.
- hL1 3-3
- $|p_{i}\rangle = 2\pi$
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- 18. The average sub-off a connicted of 6 income a 8 income of a month of a general years, or outlend the ways lightness by in meanural agenetic votes. The average aye of 3 a meson down interest.
 - ja, SBytaki
- (34. 38 mars)
- [2] Billychek
- ijah dalam s

Solutions

- Ass. (a).
 - ual interigration production = 85 %

Can give have larger too denote from $=\frac{\kappa}{35}$

Geometries a expression to the $=\frac{x-4x}{45}$

 $5 \cdot \frac{6}{96} \cdot \frac{3148}{42} = 6.55 = 122$

A gridecent religion

2 Ans. (2)

The rotal time taken continued a rated an elevant.

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25km	500 Priyi	YW _P .
220kr	400 (km/m) · 3:
. 6 000m	2./;∙k c≱r	The.
lite (2001m)		10h 2.

revungo geard = 10 e 13 design 1.da - 15

ewormpu speed $= \frac{4 \pi i G}{4 \pi} \ldots 4 2 i \sin \alpha_{i}$.

B. Ans. (b)

Averages = gitts (24 budens a sectio

 $A_{2} = \{0, k\}$

wisher all of the strain was eggs.

 $A_{i} = 30 \times 20 \times 10^{-6} M_{\odot}$

trainwhich is \mathcal{W}_{i} all norms of section $\mathcal{H}(k)$ an

Average of = 0000 $e_0 = 0000$ + 0000 are labeled as 10000 + (10000 + 1000)

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Avangs eagaist manns visuged stage dass

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4. Ans. (e)

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- 54. 29 di

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= 78 22000 (#R 0 to Fig. 1973))

The weapone digit is tendenting sports as

$$\mathrm{diff}(\frac{197001}{n}) < R_{\mathrm{b}}/2726.$$

in. Ans. (d)

 Γ #88 that get of our conductor.

- $-4\sqrt{\rho} \times 17.443 \times 50$ gap g
 - "::::;;;earg

Maser Lade with most note an $\{g\}_{g \in G}$

$$x = X - \{y = y \mid y \in Y \mid y \in Y\}$$

 $\Delta \log 0.20$ for the case $= (102 \pm 0.00) \, {\rm max} \, {\rm Mystans}.$

8. Airo (b)

Avaiga spire veloco i d'Unimos

n, wedays foo staller 179 januari

7. Ans. (a)

Let 2000 harkber beig vizzer zu han

$$-4\sqrt{4}2...93\frac{\pi}{9}...\frac{9}{3} \approx 6\frac{3}{8}...\frac{6}{A}$$

$$x = \frac{3}{3} \operatorname{cost} x = \frac{3}{3} x$$

$$S:=\frac{2\pi}{3}+c+\frac{9\gamma}{5}=386$$

$$\omega_1 \frac{489}{15} = 18 \text{ M/y} = 30.$$

E. Ana. (c)

Assumption 15, 7, 14 at $d = \frac{5 \circ 7 + 17}{7} \circ 7$

The storage Status: -80×40

$$\frac{4x^{-3} + 1 + \frac{x - y}{4} + \frac{60}{137} \times \frac{2x + y}{1}}{1}$$

$$\omega_{F} \approx \frac{2\pi}{5} \frac{y}{5} = \omega_{0}(y)$$

$$\mathcal{A} \approx 2 \frac{M_{\odot}^{2}}{2} + 2D \qquad ...(1)$$

From (a) and (i) is a get

$$1.2 + y = \frac{76.49}{3} \pm y \pm 09$$

9. Aca. (b)

i al insiere regerage of Americke y year. In Sum of no agos al Simen El du year.

Now, about the upon the property of the space of (Birth + $5 \, \text{My}_{10} \, \text{n}_{10}$)

a. Siri, altino agropa (6 mars x 2 words i).

$$a \in \{x \in \mathbb{N}\} + 3(4 + 3)$$
 yay, s.

Hondonik oldes) hat to repending lead the hydronic time is sum of the neglection (see also by to yours).

Therefore, our of its ages of peological - 190 – 1911 – 16 – 60 vas

$$\mathcal{I}_{\rm c} = 222378468$$
 against one when the $\frac{20}{5} > 30~\rm grg$

13. A 19. (b)

Till et wear to comstitut 166 kilomotres.

That for an indexes sector di 100 Michaele

$$=\frac{1000}{200}\approx 2\frac{4}{3}hrs$$

¹ тоги ег қ соғы <u>Ба. 100 коле</u>вин_е

$$=-\frac{50}{5}=5~\mathrm{mp}_{\mathrm{S}}$$

how three javan

$$2\frac{3}{8} \cdot (2\frac{10}{2} \cdot (2 + \frac{10}{2}) \cdot (\frac{5}{6})) \otimes -\frac{37}{6} \cdot (6).$$

Folal : Individe or year-distriction

... Average spend
$$-\frac{800}{3.09}$$

$$=\frac{390-8}{47} + 39.3 \text{ km/s}$$

13. Ans. (c)

Weight on D = (60 × 4 + 84 × 0) kg $\approx 60~{\rm kg}$

 $|\mathcal{W}elgh, \sigma'| \mathbb{D} \cup (60 + 3) \log |\mathbf{w}| / - \log$

WaigN ... (72 × 4) kg / \$18 kg

 $\mathcal{N}(B+C)$ is two grains for B+BC , $\mathcal{N}(g)_{AB}$

_ 177 %:

Hence if the sign a (84 \pm 3), for $J_{\rm p} U_{\rm p} = \chi_{\rm p} W_{\rm p}$

42, Ans. (s)

Let the rink hardisonni digge who have still ye (for , $20 \times c = 15 \times (123 \times a) = 120 \times 55$

$$1.11944 \pm 3200 \cdot 1000$$

$$\langle \Psi_{\alpha} - \chi \rangle \approx \frac{2 \left(4 D_{\alpha}^{2} \right)}{2 \left(1 + \frac{1}{2} \left(\frac{1}{2} \right) \right)} = 46 \left(\frac{1}{2} \right)$$

13. Ass. (c)

Tale decrease $-(2) \times 2)_{1 \to 0} (!_{2})$

- nie vitara il si unifigi.
- A. Associationers day in 18 years. Bensits 4 mg/ pg e lekstatika, og gre
- 14 BIG. (6)

uplied to only each County

Litan, as the engine $(\mathbf{e}_{\mathbf{r},0}) = \mathbf{r}_{\mathbf{e}_{\mathbf{r}}}$

and deleteration of Rich (April

ulonco, average rolly കാരുടെ വിക് ദിപ്പ പ്രവ

$$\frac{1}{2} \frac{2x}{2x} \frac{2x}{3} = \frac{xx + 20}{2}.$$

$$\frac{\lambda_{1}+\Delta t}{\beta} \approx (2^{n}, T) \cdot 2n + (0 + \epsilon A)$$

$$\Rightarrow \Delta r + \S(0) \in C_{2^{n}}(\Omega)$$

- ~ 257 (9), $0.7A_{\odot}$ (22), $37_{0} = 7 + 30 = 38_{\odot}$ (13),
- 15. Ana. (a).

$$\frac{1}{25} = \frac{1}{45} = \frac{15}{10} = \frac{6\pi}{35 \times 40} = \frac{1}{3}$$

$$M_{\rm b} \approx -\frac{36 \times 40}{6 \times 3} = 33$$

15 Ans. (c)

lial Tembricarofrancidales botal Incretaviones y où azen by a' vie purchambs – 154

lulis) o rengo ri menesny 180 del recordes

$$= 20 \times 90 - 2700$$

knah accesso n<u>erka – 452 – 2700</u>1

Mediacod svoraņa
$$-\frac{(3x-2700)}{2}$$

$$\label{eq:condition} z = \frac{400}{200} \pm \frac{2000}{200} \frac{10000}{200}.$$

$$= -6 \times 12500 \text{ pc.} (-546)$$

17 Ane. (a):

Let the minner of Ajover expensioning a proper

$$\Pr_{\mathbf{r} = \frac{1 \times 2 \cdot 1}{\mathbf{r} + 5}} = (2 \cdot 3 \cdot \mathbf{r}) \cdot \zeta_{\mathbf{r}}$$

16. Aris. (b):

base everyus of the control (see ging or to

$$= \frac{8 \times 19}{8} \cdot \frac{100}{8} = \frac{323 \times 19}{8} = \frac{304}{9}$$

30 years.

Time & Work

These tier than the verticing actions position problems of section problems of section problems and the forest confidence of the following control of a motion of the following control of the following matter at the first filter to see a following the following and an accordance of the following of the following or the filter filter and work.

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Capan
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So to line, but the vicence as we induct to know the of the two variables, if I by a direct given they compressed into Leave, and less again they also start with a simple earlingle.

Example 1.

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Historick and 7 commons

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Ниароді ні Яг

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Conscions of Sim
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Contained partiable of
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To time take this A.S.B. =
$$\frac{2\pi}{4}$$
 and $\frac{2\pi}{2}$ solve.

Examination 3.

Alinis report talk in Augusta, in dividit the height of, me to specify be seen a saking 12 days. How both in a Biothy are of talk in the last.

Eclarion.

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$$B=\frac{B_{\rm c}^2}{3}$$
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Latinopade Work

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Colution.

Let with a filter the

is located to the second of the latter than the second of

$$\{(1,1,1)\} = \{(-1,+1),(1,+1)\} = \{(0,1),(1,+1),(1,+1)\}$$

For SC AAC in Cases, at that in Package they term $9000\,\mathrm{Mpc}$, is weaking taking the indexed one with the of Pairs

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	- xK-sev	v y •	4 18 :	<u> </u>

Suppose these as take the first section to all particles which is a first section of sections to the pure solution of A .

$$28.0 \pm 6.0_{\rm A} + 1.0 \pm \frac{1}{2} \pm 2.0 \, \rm Re \, Ab \, sharp mas \, sh$$

constant then work will got considered in subgraphs for EBARC cases to our standard the way, with αS . Figure 10 of this

$$\mathrm{Re}\left(\theta,\frac{1}{2}+\frac{1}{2}+\frac{1}{2}\right)\mathrm{Her}\left(\theta,\frac{1}{2}\right)\mathrm{Her}\left(\theta,\frac{1}{2}\right)$$

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Saution.

Let the work $\sim 100\,\mu m_0^2$

$$|\Delta| = \frac{(\omega_{\rm c} + i \cdot \omega_{\rm c})^{2}}{(\omega_{\rm c} + i \cdot \omega_{\rm c})^{2}} e^{i\omega_{\rm c}} = (i \cdot j \cdot i)^{2} e^{i\omega_{\rm c}}$$

$$2 \cdot \frac{-(n h + 1)}{2 \pi} \left(\frac{n}{n h} \frac{n^2 h}{n} \right) \leq 1 \times (n y)^2$$

$$(-\frac{1}{2} - \frac{1}{2} \frac{N(\mathbf{a} - \mathbf{b})^{2}}{N(\mathbf{a} - \mathbf{b})} \rightarrow 100 \text{ mags}$$

$$n + \mathbf{B} = \mathbf{C}^{-\frac{n-n-n-n-n-n-n}{2}} \in \operatorname{division}(n)$$

$$\mathbb{F}_{S}(\theta) \text{ for this set} = \frac{\delta S}{8} + \ell \frac{1}{8} \text{ diagrag}$$

Gennack of Wages

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الرسائياتات؟

Ethiopida Abrela

$$\rightarrow -1 \, \epsilon \, \sin \left(-\frac{1}{2} - \frac{2 \epsilon \, i}{2 \, \log n} \right) = \delta \, \Omega \, (\log n)$$

$$z = 1$$
 while $c_{\rm eff} = \frac{2M_{\odot} \cdot a_{\rm eff} d_{\rm eff}}{2M_{\odot} \cdot a_{\rm eff}} = 200$ dby z

Charles to their a remoning to supply about the solution of the charles to their deviction of solutions. The charles by

$$0 \times 3 : 2 \times 3 \times 30 \cdot 23 \gg 10^{-3}$$

$$M \sim 1000$$
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as ourside even by
$$7\,\mathrm{mpc} \approx 2.2\times3000$$

н**рож** Қ Оқызылы

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$$E = \frac{\log \log n}{n} > 1.0 \log ns$$

Copyright (4 + 8) = 3 + 2 + 1.15 + 4 + 1.00Accountage year in healthan

$$= \binom{n}{2} \times (40 - 200) \cdot 9$$

You the toward of one $(\frac{20}{7} + 2) \ln \omega$

Hillorency (Kamparison

When this certain's efficiencies stellage peacel than in that scale, the purpowerk and filed actaulations. accompanies case in this so the case by \star 1 pa elbe os assur e tre capacides pirectlo. For example:

Exemple 1.

Alis 1 Since official I from Bland our finish the way. Cladys earlier as esmastred in B. How revenue. A live, as this entitle allegen elsanour, giscordi.

Solution.

9 A is 3 Hotes allkije titi yr G

Taen, È vallouxe in les herror si deys etter Whates.

Sui 1 A takes in Carsithan Diverses the shipting year.

$$x + 50 - 50 \Rightarrow x - 5 = 0$$

$$e^{-i(\mathbf{x}\cdot\mathbf{r}+\mathbf{r})} \leq 5.5 \,\mathrm{degs}$$

V0.4.15 (1.6)

(All # B)'s reasoned in fluo bidge.

and taken
$$=\frac{15}{8} = 5\frac{9}{4}$$
 days.

Usamore 2.

witark projectic ed competey in Chronic aut scause of the leak at its notice in that was it more regardable. Filed the low map is not the east part an poya follows?

Salerian

$$\mathrm{Sign} = (\mu_{\mathrm{S}} \mathbf{k})^{\top} + 2\pi^{2} \lambda^{\top} 2\pi^{2} + \kappa^{\top} \theta \cdot \eta_{\mathrm{S}} z$$

h (s. 64 i fe)

Leavisation by Allin Chairs

$$m_0 = \frac{2\pi}{2} \cdot 24 + 3$$

Ехатрів Я.

A member diminsion in streets pole in this laygoes up to funder with in more than a model from exs domina žimetari fizio i agrinoriti dotini i Sturavia. If now make it is pleastless to present the efficiency.

So dion.

क्रिका 100 key with easy; % the neight of 4.1 mills. the restriction of editions; we first up, So we will nicula nacem Islan nachan di keguakes ibi legah.

n frahmritten on warnesse - 13 m.

8 second prinkte non⊁ovinoso ; € 15 m 50 to 2 th in teach this key affectively minutes

So hest to leide with minor regular 7 ha On localitate taken $=47 \times 3 + 1$ min $\times 25 \times 1_{180}$

Example 4.

It is report time were been in 1995 on a trailer. So daga Alia 10 daga 100 numberrara laintid ita hostoform on largit aya ne foodby i lagar.

Sauton.

Allor (0.08) Chaigh a solyd Leips igrayd 1000 personal resolutions (in Eq. (9)), again (10), and ϵ General phase, was necessarily that $t \in \{0,0\}$ II 10, temphs take 20 days.

From
$$200_1 = 3$$
 match list $e^{-\frac{2C_1 - (C_1)}{S_{100}}} = 30$ Mays.

Схалір е в.

Paraican în Sist (Sid 9.39) întracția My e Sipani pun តែនំតំណែក ហាក់មានមាស់ ark in congyg គេស that p_{ij} kerk $\Gamma(p)$ of $\Omega(p)$ then $rac{n}{2}$ are p_{ij} then $rac{n}{2}$

Salution

్జన్ని ఆంజ ని అనికి ఏకు ఇంట دريني څو د د معروب د د داد او اول) Sliger in alles 1/1 work in 5 days Slave Billing Hollwork in 12 days Schwerk 58-drig

Note that
$$\frac{-10000}{10000} + 100000$$

Copyrige Sko 5 (Lyain - 5 Ind May

In at take
$$i = \frac{30}{6} \cdot \frac{7}{5}$$
 days

⊑хамри: 8.

Rumuria Unice so in all afficient as flack University. Regener They Conthes mere-sees in validays in exmany outes fire and I take to finish the world.

Salution.

Terris assume interespecify the aminors into the fitter. Here also only of level will alter include:

Total data the Lifeting College of the district of play therewer is the state of th

Example 7.

Substitution in a substitution of 4 days in with Marks, Sures rounglevolite ask & tier coefficient 108 A Home Substitution in the many days they well to have seven all mening work coefficient.

Bold on.

, they are work is a paint of these and fundables then

Non Yank page 3 x = 2 in incley
 Supposition on tight is in typing.

The the work = $2 \cdot x = (2 \text{ or its})$ (i) the other wish reaches to consti

$$=\frac{m}{\log\log}=4\frac{2}{n}\log\log$$

Pregnote P

 men å is tuva omninst in kodinst i eldsyt nod furan er olds bevirkun finanne komunisvisches floor de rumen omgaberground in die Øfekele nigt die worde.

Section on

could be coupling in a riby in faire partiagity of our table.

$$\mathrm{loc} = 23 \cdot \frac{1 \cdot \mathrm{gazz}}{1 \cdot \mathrm{gazz}} \longrightarrow 12 \cdot \mathrm{rays}$$

79:11-30 (rif.

$$\Rightarrow \neg \cdot = \neg \cdot 26 = 5$$

$$-1.0 \pm 10 \pm 1$$

$$\langle \gamma_i \rangle = - - \langle \gamma_i \rangle \cdot 0$$

Тола фарколької я формаць (1911 ф.

$$- \sim s \cdot d = 3 \times 1$$

$$=0$$
 to instance.

The taken =
$$\frac{aa}{b}$$
 = ± 20 dose

فالأمام

Conceptor Man-Day

Unit@ workers can Prish the task in 50 vistor. If An 1 town to continue the molinic (Curs to Heißer alternation)

The signer else item in item of invitority. So, who day is nothing at the time required to the solution as a few worlds.

Til ree Cazes:

Cass I

ice.100 varversiter i institue alson 50 48 psiline novembre days o anequi automos d'hincock eçi 2 s tour será

Antahon:

Now not bromp to qualification, (M, ϕ) or term one symbol (M, ϕ)

$$\Delta t \sim 1.09 \pm 0.000$$

$$0.67 \pm \frac{2000}{800} = 200 \text{ the solutions of its answer to line is extensive.}$$

and last by 18, we hard.

Casa: 1

Te, 100 has serius in in yorks station (Collago 1900) we kend served contabling the last be working for 10 days. Now working for 10 days. Now we ke coast the live more we know a coast of a collago. How considers the state of the form (COM) is sufficient to be not because the substance of the form (COM).

Colcii.ac

 $\tau(A, \forall a, x, \forall y \in \{a, b, a\})$

130 30 5000

 $10^{1} \rm GeV$ 1.00 to the State with hybrid of the pSo $\rm M_{\odot}$, and that

 $100 \times 10^{12} \times 0001 \, (\mathrm{phys}) \, D_{\mathrm{T}} \mathrm{ph}$

Paledtas mais-Evy control singly about each formane. By top emerge.

$$(0.260 \cdot 100) \pm 1000$$

$$DG_{ij} = \frac{1000}{200} - 200\,dnes$$

Council to Equippe (1) and 10 to expect to 10 to 25 to 10 to

Classer

Let "Obserker ber Bilst uib teken 50 eige, die wirkers bilde till etwas and et delt, for oblings sow produkte in masser is basions Borstiker bern 1. Ein and work. Tald taland til ber oblings festilled bottometer die hak

Mayland

Pro Mary Deviation (get

i iliaka 100 yahan darawa gisu katangay sa may panggal

 $190\times 20 + 2000 ((20, \gamma_1, \gamma_2))$

New 2006 (Man., Dav) & sill, and anny which had to write specific when plays

Hans Say 1990:

20 x (4y., 1)000

$$\mathsf{Lay} = \frac{3000}{270} \pm i \log p_{ij}^{2} \, .$$

Epitotokisture. Asa 150 u jutyheshi i empide ne Nisk

$\operatorname{Main} \times \operatorname{Day} \times \operatorname{Goar}$

 $M = E_{\frac{1}{2}}(x) + \exp\{\frac{1}{2} \log x\}$

 $V_{\varphi} \circ U_{\varphi} \times \mathbb{F}_{\varphi} = \mathbf{A}_{\mathrm{CF}}.$

Workflay Herbirding Association of a self-selforars (size

$$\frac{\mathcal{N}(E) H_{k+1}}{\mathbb{P}^n} \stackrel{\mathcal{M}}{\longrightarrow} \frac{\mathcal{D}_{k+1}}{\mathcal{W}_{k}} \stackrel{\mathcal{L}}{\longrightarrow}$$

A so that is I_1 . It is not except that it is each h_1 and has the constant I_2 and has the constant and the constant and the constant I_2

$$\frac{M_2}{r_1}\frac{g(H_2)}{g(H_2)} = \frac{M_2}{r_2}\frac{D_2H_2}{D_2}\frac{g}{m_2}$$

$$=\frac{\lambda(1g)}{\lambda_1(0g)}\sup_{k\in \mathbb{R}}\frac{M(1g)k_k}{M(1g)(2g)}$$

Concept of Efficiency

The entry of presents see to bing name assume a requestion of state of the present persons of the element persons of the element of the eleme

We will discreption of a promote type of grounds of the section o

Taul - A subtract masses efficient has Blend in hindling noting seemal days not make the form the tag. In the large was in particles on the case of seemal seemal particles on the case of

Successful American Cayettern

in (Alcured to days)

On (− 20 ± 32)

 $x = 3 \, dys$

يورون ≥ (ما بعد الله الـ £1 بالد

Tagonoming call faigh.

$$\frac{1}{n_0} + \frac{1}{n_0} \leq \frac{2}{n_0} \left[\nabla A \right] = \frac{1}{n_0^2} \left[\rho A \right] \dagger$$

 2 HS. Pickets are equivalently a smooth palma states.

Bard A Missianness and entroper Randonnia, by Attack to day intended B. Time sught up to we come a finite state as a finite state as a major at a work against an entropy.

Soft: I will Anequical convenien

British House

Associated in grant assigning and

 $(x+y+1)\delta \to 20 \text{ or } 40 \to \infty = 9$

ingalearibes 8. Jijish

$$\frac{1}{15} + \frac{1}{35} = \frac{5}{60} = \frac{1}{15} \cdot 26 \times 100 \, \mathrm{Mgs}$$

So nonquan liziteys with journeys and injection.



SULVED EXAMPLES

- 1 Manifers Alexanti can edit, Jacob e estra il 10 days not Nie iu zicho das an fiji 12 days in $\epsilon_{\rm lec}$ Taky days car. A physocial ira crey.
 - ini ili baya
- All Manage
- introdictions
- $\mathbf{J}(\mathbf{J}) = \mathbf{J}(\mathbf{L}) \otimes_{\mathbf{J}} \mathbf{v}$

Anstigit

One cray work of a pile is in-

- at a historia day $v_0 \models v_{\frac{1}{2}}$
- $^{22\times2}$, a let ω , one dry my k
- COST Provincial national field in the system at the
- $2\pi/4$ main and 2 -section this ration in a capacity $2\pi g$ $0.0000\,\mathrm{Mpc}^{-2}$ was not can do the standard on the $t_{\rm Syst}$ Less angle 4 tinggraph, i yang pake to da be A 11 G
 - $(40 \cdot 22 \left(\frac{2}{\pi}\right) \operatorname{days} = (20 \cdot 24 \left(\frac{1}{\pi}\right) \operatorname{days})$
 - $|0.0| \le \left(\frac{1}{7}\right) \text{view} = -100 \cdot 12 \left(\frac{7}{500}\right) \text{dives}$

And, (a)

tal nuo complete, in con in a fey and women 11 saaw. w cortii y jav∐ch

$$A(c) = \cos w + \frac{1}{\epsilon} \cos w \qquad \qquad ...(0)$$

Alle shipile në tenge.

$$\frac{20\, m + 1 \cdot m - \frac{5}{3}}{20\, m - 20\, m - 1}$$

$$\mathfrak{M}(n) = 20(2n+1)$$

How I have browners

$$\cdots = \frac{1}{1}$$

$$|h| = a = \frac{1}{100} \cdot \frac{1}{28} \cdot \frac{1}{158}$$

$$\text{To Coupling } \frac{\partial \mathbf{F}}{\partial t} : \operatorname{Coupling} = 20 c_{\frac{1}{2}}^{\frac{1}{2}}$$

- 8. A (so this pressure of , in the second of submode the samples of the body's Winning telepolicy these boxon, release in the days. How tangle $96, 50 \times 10^{-5}$ POPE DESIGNATION
 - (9) 70 78/s (g) 10 days
 - $\alpha \in 3.5 \cdot p_{3/2} = 1$
- mit in fild days

 $\Delta r = (5)$

$$\frac{1}{1} = \frac{1}{10} = \frac{1}{20} = \frac{1}{20}$$

This is the production as 10 days are $(\Phi_1)_{1200}$ for Outpreto in straight

- $C_{\rm eff}$ don't is place of weithin 20 apes. He work at ϵ for the cycles of an information that the contract of the state of th r zemenyce, ko li∆ u o Resije, ko i jest se koje)
 - [9] 9 to ser.
- (2) Hadaes
- 651 12 page
- nd; 1 depen

וופן יתייג

- is a discrete substitution of $x \ge -\frac{1}{4} e^{xx}$.
- $\sim 10^{4}\,\mathrm{nears}^{-20}$ and $\sigma_{\rm c}$ declared
- $\sim 10^{11}$ respect to a tip $\left(\frac{10}{104} \frac{40}{5}\right) \frac{40}{5}$ այսների իր չթը Մրոդայի

$$\frac{1}{2\pi} \left(\frac{1}{2\pi} - \frac{1}{2} + \frac{3}{2} \cos \phi \right)$$

- Twenty so there are in intropleds of warrings plays. Aber I contany days of cult. Stylebore mace of For example the words a commonweal type property
 - 181 P. Geleti
- (ic. 30, dhes
- [22] B. Gazza.
- 101; 20 mg/m

Area (a)

Motive Net = Mont. Day

 $\Delta t \times V = 6.55$

Durit And Assistant State Base States and Company of the Company o

 $U(x) = \{x, 25 + y\} = \S_1(x)$

- 55 July 1 A00
- 50 = 15, 11 = 4
- $\theta_{\rm s}$. Such that can copy in range (i.e.), notice at B and and Ptokas tilege for one is all, viððlegingskiji 40 noller $0.460\,\mathrm{FeV}^3$, the own His least copy $903\,\mathrm{Mpc}^2$
 - raj (Mai
- (b) 17;a
- ívi itt
- 200

- ... Suchest it Ollours concepy@inages.
- $\lambda = 0.15600 + \frac{50}{16} + 5.55 pcs.$

Buth san sugars Codages in 10 hours.

So in from
$$\frac{800}{40}$$
 which

Olon y control dy gygy 9 Synagosin a ligue **50 (0**

- Z_{ij} Section to be a succept work in 20 days and Risks pundati i 20 daya the aberbio olde, sent men ் திருந்திரைகள் பார்கள் வரும் வருக்கு கிருந்தின். የተመከተ ተመረቀነ ላይ
 - čia dudava i
- och d≟dheri
- (a) fridhys (b) Noner of stone

zans (d):

Fiel its one processes
$$=\frac{1}{20}$$

logram they are task
$$\frac{1}{29} + \frac{1}{30}$$

$$=\frac{3}{10\pi^2} (\cos n) \ln n \sin n$$

: Work in though
$$\frac{\xi}{100} = \frac{8}{5} + \frac{8\xi}{100}$$
 and

$$\frac{s}{s}$$
 that is remainded. Leth confiner the $\binom{55}{100}$, $\frac{1}{100}$

- 11 days
- Discount of American Kin Sitrys with a Republic can de 16 of the worth a browy in switting wildlin wheth action bear a first the wors?

$$\rho \sim \frac{\partial \rho}{\partial \tau} d \sigma_{\tau}$$

$$\phi = \frac{69}{17} d a_7 \qquad \qquad (g_1 - \frac{44}{17}) a_2 \phi. \label{eq:phi_sigma}$$

$$(c) = \frac{70}{10} \text{ division} \qquad \quad \text{(division)}$$

Ans. (h)

$$\gamma_{1,29}, z_{23,29}, z_{24} = \frac{112}{6}, \frac{1}{3} = \frac{1}{3}$$

Freed's blogs word.

$$\varphi\left(\frac{(1/2)}{2}\right)=\frac{1}{2}\log \theta$$

Tageunar indy utanik ish r

$$\frac{1}{16} \cdot \frac{124}{16} \operatorname{days}$$

$$16 \cdot 16$$

- Which to a second as much time as Alay and Tugg. ur niurbier Vijayer Irisha piece et welk i isgebia. how lieu by ne work is 1 day. What is the time to be ok Manoj Io ilin at The world:
 - in Brazel
- (A. 7 S.S.
- All throat freeze

Ars (s)

ud Mario larkos tu bals vijey takes Puldkys sirg

wips 25 decyclines
$$\frac{1}{1}, \dots, \frac{1}{2^{n-1}} = 1$$

Mario esi ilwe, pedese

- 10. Apurez dun de a percial war en 19 Ares. Aresea \mathbf{a}_i \mathbf{d}_i \mathbf{A}_i , it considers the construction and every \mathbf{a}_i \mathbf{a}_i Rt. 51 and Gal 31 respective self-ox many days must be place taken to buildings a present applied.
 - (t) = 0.000
- The ~ 5.036 MeV
- (c) 4 d pares.
- $-10 \times +0.075$

Aire. (a) i

 $P_{a,a} = 0.03(a) = 50.01$

$$\operatorname{degr} \operatorname{work} = \frac{1}{12} \frac{1}{\pi}$$

$$\frac{1}{25} \times \frac{1}{25} = \frac{1}{5} \times \frac{1}{4}$$

$$\varepsilon \sim \frac{2.4}{5.4} \frac{\times 12}{c_{\rm T}}$$
 , $\alpha = 9$ days

Significant by without
$$=\frac{120.8}{12} + 4.5 \text{ mys}$$

- 11. Taju s tetan an Wex Isganiati, nevan shipeya k pinki daya. Ibi new muliyi dhya san vijay at ya ya ድርር እስከነው የድብ*ለ*ች
 - (c) 0 deg8
- #1 21 days.
- oc) 62 dAye 1 (a) 42 days
- Are. (d):
- Lot Heju da i de lit x Wukin sigeve 🛨 a ji kija- ji. 25 (sya

Togodier nag dan sirat Jete i J

$$\frac{3\sqrt{2}p}{9} \approx 10009$$

v=27 cover, $\delta x=4\pi$ tag ϵ

- Talli Namuratu. Pitaya da 1900 para 200 paje 5 satisfies in 10 internantic 24 teas; ω_{0} and ω_{1} is ω_{2} ω_{3} CONTRACTOR OF A STREET OF STREET WAS A STREET الارونيان و Sane by مريان
 - 15 to 1 2
- 7.0 1:3
- 10: 21
- 100 (0.0)
- Ars. (ti
- $2B 13B = \frac{1}{2}$! 1
- 3 M × 24 3 ± 1 .
- where $-39.72 \pm 49.02 \pm \frac{3}{3}$
 - $2887 \times 19 \; \underline{0} \times \frac{2}{3}$
 - $2.18 + \frac{1}{2} \cdot a = \frac{1}{200}$
 - then $m_{ij}(t) \in \{\frac{1}{m_{ij}}, M: u \in \mathcal{I}_{ij}\}$
- 16.46 the following ~ 10 due hard Riesting (following) volisin 20 daya. Lijeviyorik togsotor (svit. 1959 g. d. m PMA 2006 away to how in our store days m pMSLuggen, wagy A
 - .a: 5 dave
- (b) 8 5 days
- (#12 pass $T_{\rm c}$ $T_{\rm c}^{\rm T}$ rays

ADRIGA;

militarya Pietoar pompiotal

$$\left[\frac{1}{10}, \frac{1}{20}\right]_{0.05} = \frac{1}{3} \cot t$$

Danish op si<mark>d</mark> part

 $\overline{\Sigma}(w)^{(1)}(v)^{(2)}(v)=(-5), \omega_{S}$

- 1+1.15) to record individually in a real parameter $R_{\rm c}$ all the ordinal montrys. I Septiminate the and red hips transfer edges of increases. onnilla,aⁿ
 - 17) Silvayor
- (7) (9) (8) (5) (9) (8)
- hy 55 cwys -

- Anslich
- Man in Fray Man Li Noy
- by sign $\theta = 0.1$ at smaller 100 days.
- $z \times 100 \sim 1310 \, \mathrm{m}$ (b) can be graph.
- remarang work 11.50 Man i Day.
- Here, $\mathbb{D}_{\mathcal{M}^{p}} = \{c_{i}^{p}(a)\}$
- JD, Jay -- 1850.
- "av = Epi
- $18 \cdot 0.4$ km, althoughts of the problem (food for extracting a plane for 0.9 dhis Afro, 27 days, britishly as $\epsilon V_{\rm c}$ remoti Eq. tay indrivident anys will award to they loading to incommon : a seld essi-
 - 200 Military
- jan et amas
- (d) 6 36ys
- A 18 (11).
- You will key middle (1997)
- $200 \times 01 = 1.400$
- Allered case
 - 200 x 24 m 5400 Mart, Stry in finish #4.
 - Company and Subjective
 - Man J Eng 9.00
 - $e^{i\phi}$ in y = 0.00
 - Dec. 100
- 66.4 63.4 mis scorptly file (in 5 mount in recent in Is we Obsume that it wrotes took at $j_{\mathcal{A}}$ couldn't in $j_{\mathcal{A}}$ Sales) is full, in who to elegable to leak a $\eta_{AB}(i)$
 - Tail 15th
- 101 분 원
- 351 SO 1
- ndi Fig
- And, fait
- m one besoning the contraction g_{N} takes the tensor g_{N} in g_{N}
- near Bron

$$\frac{1}{5} \cdot \frac{5}{7} \cdot \frac{5}{7}$$

- : !
- $\Rightarrow -\frac{1}{2} = \frac{1}{2} \epsilon + 30 \text{ models}$
- 16 Specials 13 in ring together contributes, $_{
 m eq}$ (i.g. ulinu or in a rakes 5 minutos migel, jun Arro (cine Galera, from the line (it, which Alexa), 3 kg/lift has delete Begranatolowii italiyayyu yebr
 - (9) 15 m. 20 mm, the of process may
 - A) 10 kilo tember (b) 25 mm areas

miclos Alcanii line and blood in selimmila și

$$\frac{1}{n} \cdot \frac{1}{k} \cdot \frac{1}{k} = \frac{1}{k}$$

$$\label{eq:posterior} \mathcal{A}_{\mathbf{f}} = \frac{\mathcal{A}(\mathbf{y}_1 + \mathbf{f})}{\mathcal{F}_{\mathbf{a}} - \mathbf{f}_{\mathbf{b}}} = \mathcal{G}_{\mathbf{a}}.$$

- Deliging feeting as in a service free (A is invaling) វាមាន មេស៊ីកីព្រម ភី នាស្រី en galving the tank ថ្ងៃកំពង់។ to the early in 10 hours and 15 and emply the tank in Bureau a chen flag nevermenviñ duta (viji i, 1945) j. car of stella That is he not sittle to be
 - uati distributa i
- aby 10 no usi
- io), 2003 di rei
- 20 37 35 And a
- Apr. (21)
- 1 16 15 | 150 | 30

Solititakes 30 acurs to the retrains and to trains of hi hat the kind

- 19. There sie ût ee Tabarê, û ar diChris Johê, Thay dan i 19 Brodrick in Eules, 90 broland 25 are respectively. At hist, a forther am opened a milleneb 🦂 🗒 🚓 i alter 21 augstab Die Bleed and Aland Durckbor running. After the 4th boundary His his a closes. The preliting work a done by Lab Alichne, Fürdiglie percentage of the work done by Tab Aroy (Lof).
 - iai 02%.
- 601 52 %
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Aris. (d)

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 	:es. —	$\frac{1}{20}$	<u>=</u>	$\frac{18}{10}$ par	
i, , ,	16× [-	<u> </u>	×	<u> </u>	17- 13:11
71. a	·- [-	 	×	<u>.l</u>	- ₀ pa-

Sa гоме в ворителе: 1 км. та.

$$\frac{32}{100} = 3.2 \pm 0.05$$

Modern a concess A.

$$\frac{-0.130 - 13 - 0.137}{0.00} - 0.0 = 70\%$$

Time & Work



- Für nen dag somhelete sig ette of work in, 15 dags. and it's worker can being off the sages work in the own that the 10 money to be core to the top gare. i i low many will the work got comisse od ?...
 - $\langle t \rangle \langle t | t_{\alpha}^{2} \langle t_{\alpha} s_{\alpha} \rangle = -\langle t \rangle \langle t | t_{\alpha} \rangle \langle t_{\alpha} s_{\alpha} \rangle$
 - $\sim \pi \frac{2}{\pi} \log \pi$ (b) Direct description
- All Rifference groups as Planchis therefore groups. instrain easief took in 36 days less then 191 mt. hall not inwhich therefored. If we thing for all el-
 - $\langle \phi \rangle \approx \frac{N}{2} \langle d \phi \phi \rangle = \langle \phi \rangle \approx \frac{1}{2} \langle \phi \phi \phi \rangle$

 - incidence of the second escriptions
- Burrech lakes respuiss ruight time as Manaking qu In recognition linear. Sited its our researched it working together, beyong complete and got that ought combine transposed by sach all them be per $a_{H,Y}$. δ m complete liber with juli
 - tair 36, 2r an cirio se case
 - (b) Etc. (Carroll Meast
 - (5) 24 42 ord | 8 cs-s.
 - 10. No erof meser
- A_{n+1} into that carrie of a work in Siday $k+n_{n+1}$ (2) p_{n+1} -information and the second of the second o sum do it in the area three -1 we see a relation $\{j\}$. working together carks up along was large

 - (7) Adays (b) 4 days.
 - in decision
- The exiliation
- δ . Also, and Namel can be upone at work in Figure surfació Sarjay in la caya chi Gunpiy araji Aj_{asi} k of data. They killed work at hop is given in. Prof Ajavi davise a si'Ou i prof Sat jey no en triget m for divides in our to Should from legicest, in given one will Sampligks to 1970 Malhers not
 - jaj 12 davs
- : (b) 10 (6)
- nd 16 days.
- In: Weep these
- ä. Sanon Guptalarik Erigiidim-randrigarikma med awan in tidhya. Biburta kilawayan Logoliya asi

), in plane the control $\frac{1}{2}$ rays. So that which gives

Historical can do bin widows, Step Gepta city to ear con picto the work in

- oc) Gibbays discussion
- 50 **00** 0858
- (c) (c) 160 (c)
- $f_{\rm c}$. We king This is dely 2 times can some employe of work in 2.5 page in linear many days would be man demialare the halical above of spork working to Propodal 49.
 - (ii) 100 project
- (L) 20 days
- B. Sharw
- Solve Normal on the sec
- a non or vector sport in the proced was in 26. сяум. У проградому дал и теп при 11 мерес. linei die same wakâ
 - sati de cucreo.
- alló il days
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- A post holdes much work at third body for file of the time in good a movem to lack accompanie e werk now nijera and dia i Bitaka and di 19.
 - (a) Au tiava labi, Ati dhiya
 - (c) 40 (a.e.)
- 50 n \$8 d4 dx
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- Li Ds. 225
- ir) Es //s
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- 11. In a range 2 reyewak na laged yinca idofoar i nekse revenient has read man ned a boy knothed one with during water and accommodition in the rate
 - id: I :
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- 148 A L
- 12. A pha B we herpathold disconduct decembers. मा 9 हाल्यों के १०६० जन्मक राज्य है। अब्देशक के अ of windows system as a large to your and howevers stake the well-constructed Alberta
 - $\delta_{N} = 0 \frac{1}{6} (\log p) = -(2) \cdot 0 \frac{1}{4} \cdot 1298$
- - $(\mathfrak{g}) = 0 \frac{n}{2} (\operatorname{deys}) = \{\mathfrak{g} \in \mathbb{R}_{+}^{n} | \operatorname{deys} \}$
- 19. Alam, Brozenic, skiepa (1 wo cin 5 lanáh Ddaya) sespect valy in any leading that won progeniting all Δ

മാംഗാരിവരെ സാസ്കാര പ്രില് in cher. In enem മന്ദ്രവു em da 23 rkva. Atte ilihar te tabbaya ibidi Arreavsa'r

- ton Eleans.
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- (d) 12 39%
- 14. A control process of early in 90 eags, Elim 56 case. and Cin 40 due. Il Nichassippe by Cien lengtler and leviCler the instructional terms. By two level levi

$$(20\cdot 17\frac{32}{35},3579) = (50\cdot 19\frac{2}{3},3595)$$

$$(5)^{-1}9\frac{2}{3}$$
 Jy q

$$(M_{\rm c}) \cup \frac{3}{37} M \gamma$$

$$(M_{\rm c}) \log \frac{3}{2\pi} (MyS) = -(dy/r) \frac{1}{2} (msyr)$$

Salutena

Anz. (a):

See $x \in L$ and $c \in A$.

n Wolling together 10 her gin 15 kinner vil controlleron de volcie qui

$$=\frac{a^{N}}{a-N} | R = \frac{a^{N}}{N}$$

$$\times \frac{12}{13-12} \lim_{n \to \infty} \frac{20}{n} \cos n = \frac{1}{2} \cos n$$

Anel foil

Lut Brickyote describe to the people Them. A taken

(a) 100, covalleges, option de sour .

Silab late of work perintly Aland Bris 31.1. Stield: (material) by Alana Rich 198.

Section 2.
$$\frac{2-60}{2} = \frac{1}{2}$$

$$\pi^{-1}(x+\Theta(x)-x)/(x)=\Re f$$

- . The third by $\sim 600~\mathrm{km}^2$ is the $k \sim 600~\mathrm{ms}$
 - s with the parameters A and the time corns = $\frac{900}{2}$ < 60
- . I A and Hilleon ing top the, will complete the

which is
$$\frac{\lambda y}{\lambda^{1/2} \sqrt{2}} \sqrt{2k} \sqrt{2}$$

$$=\frac{00\times30}{00\times10}\text{ anys. in }\frac{4.5}{2}$$

S Ans (d)

Milian ech Lukur a nava wiji gan nu wura

Thus, which are the $\frac{1}{2}$ and the setting $\frac{1}{2}$ and the setting $\frac{1}{2}$ and the setting of the setti

- within to wange,
- u. Baritoki Marekisa ibBaresi wekking bipolog tal complete the exet is

$$\frac{r\sqrt{r}}{\sqrt{r}-\sqrt{r}} = r\sqrt{r}$$

$$=\frac{\frac{2\times\frac{1}{2}\log\frac{1}{2}}{\log\frac{1}{2}\log\frac{1}{2}}dxv}{2^{\frac{1}{2}\log\frac{1}{2}\log\frac{1}{2}}\log\frac{1}{2}}dxv$$

$$+10^{-1200}_{-20}$$
 or $\frac{1}{12}$ twest

$$C(x,y) = \frac{d}{dx} = g_{x_1,y_2}(x) - x_2$$

- ... However takes the days the results as: $\frac{2\pi}{2}$ as
 - To display of the particular $\frac{2d}{d}$ Single p_{ij} in the

ALX [11]

Manical complete values $a_{\rm SSS} = a_{\rm SSS} + a_{\rm SSS}$ CONTROL Set is conscious that we will $\{\{a_i\}_{i=1}^n\}$ of $\{a_i\}_{i=1}^n$ And in this can complete throws $i \in \{0, 1\}$ by

n in an Iwaaw tard halic warang kustas za i competición nels kiju

$$\frac{iy^{\frac{1}{2}}}{2x-yx}\frac{-1}{2x}xyx$$

$$= \frac{m_{N} \cdot 9}{10 \times 13 + 127} \cdot \frac{15}{9 - 28 \times 10} = 3.00 \text{ yr}.$$

A. 2006.161

and state and Senjay covering a get on the complete that call kind

$$+\left[\frac{2s_2p_2^2}{s_2s_2s_2s_2s_2}\right]\cdot s_2s_3$$

$$= \frac{1 - 2 \times 10 \times 12 \times 20}{110 \times 10} \left(\frac{2 \times 12 \times 20}{1 \times 20} + \frac{20 \times 20}{10 \times 20} \right)$$

$$\frac{8009}{800}, \ i.s. \ \frac{600}{19} \ down$$

. We one lead of the lagulation argu-

$$=\frac{1657.8}{1283} \text{ ps. } \frac{13}{381}$$

As a, were come by fixed at disamply in 1 dead.

Ben ski jo zak

$$= 1 + \left(\frac{9}{80} + \frac{1}{2}\right) \cdot \cdot \cdot \frac{1}{2}$$

1990) A cice Conditio Khinga

Now alto Suit and Comey nanogenulations.

work in
$$\frac{1.5}{8}$$
 class as a charge of European

- o notiele hoovers in thingays,
- 860, vy stuno pom templeta (n. gort, h.

$$\frac{\frac{280}{100} \times 10}{\frac{120}{100}} = 780 \text{ days}$$

 $\Delta = \frac{1}{2} \approx 0.9 \text{ such an done by $f_{\rm eff}(x,y)$} \left(\frac{120}{x} - 1 \right)$

6 /als (c)

Solver Guda and Shall a logarization in is time. amenia di paga

Falsed and Statis together particularly in $\frac{2\pi}{2\pi}$ dright.

Copia and Anghal Egyellion can that in 3 pages. hoteline, Bursalatone, a roomo do mako kirikir

$$=\frac{27}{2}\left(\operatorname{deys}_{1}+\frac{28\times 1}{12}\right)\log_{2}g.$$

Here, x = 4 and x = 8 deg s

Šas i Šulgijai — na kladi oprijama jije pod dire

$$= \left(\frac{M_{\rm s}^2}{4-\frac{3}{2}}\right) d85/3 = \left(\frac{\frac{3}{2}}{\frac{3}{2}}\frac{\times 4}{4}\right)^2 d5/3.$$

In a
$$x = 4$$
 and $y = \frac{2\pi}{3} = (64.9499)$

a. The same of distriction confidence is the work in

$$\left\{ \begin{bmatrix} xy \\ x+y \end{bmatrix}, \, dvx_n = \left\{ \begin{bmatrix} \frac{2n}{2n} - \frac{3}{6} \end{bmatrix} \right\} vx_n s.$$

$$[-6000] = 240000 \ y = 0] = 6 \ 3500$$

Caupite autre date communication $\frac{6 \times 4}{3 \times 4} = 12$

7 Are. (a)

We inset
$$\forall i, i = k \in \mathbb{Z}_q + \mathbb{N}_q, \forall i, j = 1, \dots, 2$$
.

$$M = \{ \gamma_i, \beta_i, \alpha_i \} : \alpha_i = 1, \gamma_i - \alpha_i$$

$$\label{eq:def_equation} \mathcal{M}_{g} = \langle a_{g} \Omega_{g} c_{g} W \rangle$$

$$\exists \, \mathcal{A} \times \mathbb{P} (\times \mathbb{P}_{+} \times \mathbb{P}_{+} \times \mathbb{P}_{+} \times \mathbb{P}_{\times})$$

6. Ars (b)

$$(a,a,b) = (1,b-1,(n-1),(n-1)),$$

and die la

. Bandesching beroldus

$$= \left(\frac{1}{1}\frac{d\sigma}{d\sigma + \sigma d}\right) d\sigma y \epsilon$$

$$\operatorname{re}\!\left(\frac{2(2-2\sqrt{R})}{(2R)(1+2\sqrt{R})}\right)\!\operatorname{cosys} = 0.0022$$

9 And. (d)

Blaces with autology kind in Hulling

If an Adjess
$$\frac{5}{4}$$
 a part in $\frac{5}{4}$ four

from
$$\delta \cos \frac{br}{s}$$
 was in this

The growth that
$$x + \frac{\partial}{\partial x} x = \frac{\partial}{\partial x}$$

$$d\phi = \frac{e}{d\phi}$$

Becomplete const. $(\frac{100}{2}, down and A, note)$ days

10. Ans. (c).

$$10^{10} \operatorname{color}(3) \operatorname{discripted} = \frac{3}{4} + \frac{1}{8}$$

$$\Re \ln \sin \theta \le d \log \ln \cos \theta = \frac{9}{7}$$

First, 0 days:
$$\sin \theta = -\left(\frac{1}{2} - \frac{2}{3}\right) + \frac{1}{8}$$

iz – Trick Hours gains skryen henejji,

to Teby violators – His $\frac{1}{6}$ $\sim 200 \times 68 \cdot 75$

11. Ans. (b)

Disversión

$$\{(N_1+2N)^2+(N_1+2N)\}$$

$$y_{ij}(M)=2\pi i$$

Work compling a manage body main the rate
 2

1.2 And (b)

$$(6) = 4 \circ 9 \cdot 24 \circ 3 \cdot 25 \circ 3 \circ 4 \circ \frac{1}{9} + \frac{1}{7} \cdot \frac{7}{73} \cdot -34 d_{2} \cdot q_{1} t_{1} + \cdots$$

20% conductive and Billing of to bill all date

$$-3.3 \frac{2}{31} - \frac{3.5}{31}$$

Becoming so
$$8 < 1 = \frac{36}{30} + \frac{1}{50}$$

thus,
$$\frac{1}{2}$$
 and is every by λ in they

$$10^{-3}\,\mathrm{g}_{1}^{-2}$$
 with will be shown in

$$2: X \xrightarrow{\frac{1}{160}} \frac{1}{4} > y$$

So, the limit $M_{\rm eff} = 10 \pm 10 \gamma$

i di Wasing

Ps 10 days on
$$k = \frac{n_{\rm ps}}{n_{\rm ps}}$$

$$\text{Park}(\hat{x}, \hat{y}, \hat{y}, \hat{y}, \hat{y}, \hat{y}) = 1 + \frac{273}{46} + \frac{77}{27}$$

have (A. 50%) totays once

$$\frac{1}{45} \cdot \frac{1}{40} = \frac{57}{800}$$

$$\frac{1}{2} \left(\frac{1}{M_{\odot}} \right)$$
 work it books by Alace B $_{1}$

$$\frac{24\Gamma - 2\gamma}{2-4\gamma^2} = 5 \text{ deg} \gamma$$

See a le Cotton Conve

14. Ans. [5:

$$\{5, \pm 1, \pm 1, \pm 4, \pm 3, \pm 3, \pm 1, \pm \frac{9}{397}, \pm \frac{9}{3$$

$$\mathcal{L} = \{ \lambda \in \mathbb{N} \mid \mathbf{S}^{*}(\mathbf{S}^{*}) \leq 2 \mathbf{s}^{*} \in \mathbf{S}^{*}(\mathbf{S}^{*}) \}$$

$$-\frac{1}{\sqrt{5}} + \frac{2}{\sqrt{5}} = \frac{7}{1223}$$

$$= \frac{2}{485} \times \frac{7}{399} = \frac{6.7}{6.00}$$

Work domains: 2 - 1965ys.

$$\operatorname{Work}_{i=0}^{k}(\phi_{i}^{k}) := \frac{\delta F}{\delta \phi} = \frac{8}{\delta \phi}$$

On inchescold in Brostopoly and they will finish

$$1 - \delta \delta(g \otimes_{\mathbb{R}} g) = \frac{g}{2h} - \frac{g}{2g} + \frac{g}{1(g)} + \frac{g}{1(g)} + \frac{g}{2h}$$

Or 16J day (4 - C) within knowlikey within an

$$\log \frac{320}{7} \cdot \frac{20}{73} \cdot \frac{30}{10} \log t$$

Where we have the continuous property of the σ

iffpita & Cisterna

- 1. One we contidue atomic z rates on z z z zempty tradecer in Choose Hoolong whichegraves Milli Parax → a (bull the apside epones)?
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 - (b) sank sidlet op in 50 givenby.
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 - (b) News and the
- Sur Warrier And Blown Hardner (Backmand La Let all especiony il bota no taga ora opere, highworlde sonk with his fell pr

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 - Still Empare
- i di Ranominese
- 1. Two plays can if a , and r . Once work the $r_{\rm coll} r_{\rm coll}$ uspectives. After a third pipe can bright the full Or Min 20 more illiani inci noccionata pin alg

- am tranevisio il flecim contino no los est es fi.t.d?
- (c) Thomas SS Traces
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- (a) i si festir si 90 tiri que si
- Nursion tress.
- 5. A 18.6 claim of filed in 3 hors of taxes Zhourt organizations and killest juig botter totale stem is all, the lesting have vig in
 - (a) Props
- $|\langle \phi^*\rangle| \triangleq \epsilon |\eta \phi \phi \phi,$
- 60, 20, 20, 21
- -1/3; -3/3 = -1, 1982
- $\mathbf{6}, \ \ \mathbf{6}$, we construct simples some $\{\mathbf{c}_i\}_{i \in \mathbb{R}}$, we consider White heta is 12 look Chappe in the reserve The source of contrast the other beaching symptometry Craffer, et dige days de l'Employers de A
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- E. Pot Sites Alara bear rapid from the form regard. Similarios, capacity by Patrale digles are turned on 929 T 8 공항 Lo 1 Hartzwickob (1964c) ib 목가 1584 [[6 are designation l'A
 - (a) A = 0 for $A = \{x\}$ and in $A = \{x\}$
 - (2) diministrate (3) 3 mm30 ↔3
- Θ_{ij} . A distance a trice out by two applies on $A \otimes_{i \in A_i \cap \{i\}} A$ Lin 20 min des and 6 h 25 stjak in excellentary: $\Sigma(0.84~{
 m Hz}\,{
 m e})$), which is the upper than the $g_{
 m S}(0.1)$ is in neutrol, indicisoria will be expressional to onstruct.
 - Regulation in the second
- (b) Ommuley
- (a) Demonstration
- icó i cembruago
- 0.46 other is should space of $(t_{\rm total}, t_{\rm total}, t_{\rm total}, t_{\rm total})$ Finite interested the γ . The ϕ is the $-4 g \phi / \beta \phi$ entre de con Mish al une pipes grave conservations compact distance is 191300 matabase. Figure $_{\mathrm{cong}} \approx 100$ which pixes in a managery a(x) algorithm
 - ign (filteriore)
- $-0.0100 \, \mathrm{ms} \, \mathrm{mkg}$
- Agricia di Turbinari il
- idu Burmby

4모다다

Solutions

Ace. (a).

ван, с... ў griф v = ў

Path offle (is em) liet in 11 par

$$\frac{1}{1} - \frac{1}{2} - \frac{1}{2} = \frac{1}{3} - \frac{1}{3}$$

Real insital and if the distance of the

2. what (a):

lene is -25 and $\gamma = 50$

 \ldots . From the facts filled of non-median tip in $g_{\rm eff}$

$$=\frac{1}{6}\cdot\frac{1}{9}+\frac{1}{25}\cdot\frac{1}{50}+\frac{1}{50}$$

. Withirth state that it is remained at least two treed. • Tutel the taken to 1 libration :

100 mm 0.000

6 Are (c)

Let y = 1 then y = -3.

.. he wekeel expending

$$= \frac{1}{(10 - 15)} \int s \, ds$$
$$= \frac{1}{100} \frac{15}{100} \int s \, ds \, ds$$

Aus. (a)

Here, y = 10, y = 10 and $z \neq 123$

r - III ə tərx vili Lə İcilin

$$\begin{split} &= \left(\frac{v \times v + e^{-v}}{2v + e^{-v}}\right) \cdot v \times 1e^{-v} \\ &= \left(\frac{100 \times 10^{100 \times 10^{100}}}{10 \cdot 10^{100 \times 10^{100}} \times 10^{100 \times 10^{100}}}\right) \cdot e^{-e^{-v}} \\ &= \left(\frac{100 \times 10^{100 \times 10^{100}}}{2v + e^{-v}}\right) \cdot e^{-e^{-v}} \cdot e^{-e^{-v}} \\ &= \left(\frac{100 \times 10^{100 \times 10^{100}}}{2v + e^{-v}}\right) \cdot e^{-e^{-v}} \cdot e^{-e^{-$$

35 mas. 500

Harry Sandy 3-2.10

... The cokwilling years a je-

$$=\begin{bmatrix} \frac{2\pi}{3} & \cos s \\ \frac{3\pi}{3} & \cos s \end{bmatrix}$$

 $=\begin{bmatrix} \frac{3\pi}{3} & \cos s \\ \frac{3\pi}{3} & \cos s \end{bmatrix}$

-0 14m2 (մ)

I conduct the triangle for the property is a second problem of $(x + y) \in \mathbb{R}^n$ and y

$$1 - \frac{1}{2} - \frac{1}{(-1)^2} - \frac{1}{(2)}$$

$$\Rightarrow -r(a+10) + 12(a+a+10)$$

$$= -3^{\circ} - 34x - 20 = 0$$

$$\lambda = (\alpha - (Y_{ij}^{\alpha})_{i} - Z_{ij}^{\alpha} \cdot \alpha)$$

$$\Delta = \lambda = 400$$
 or $\epsilon = 4$.

According easies (Clour, for the evaluation)

Ans (b).

Вото ариторы, ы сыл Терит, п

B Ans (n)

As no pipes on obera, it altered by the field ω_1

2 minutes jet:
$$(\frac{1}{4} + \frac{1}{6} + \frac{1}{13})$$

). The timest Simulation of the proper property of the $\frac{\partial}{\partial x_i}$

cen of distant. Its related just a indicestify complete value in the proposed rate of the second of

$$\frac{5}{12} + \frac{9}{12} \approx \frac{10}{12} - \frac{9}{6} \text{ sac}$$

មានបទរបស់មានបទទាប់នៅក្នុងក្រឡុង។ ក្នុង ខាន

Pp- Alcar Till, of the dataset in a liquid.

 $D(pe) \in \operatorname{dat}(S) \cap \bigcap_{i \in S} \operatorname{of little graphs}(i)$

$$A \times \frac{1}{2} = \frac{2}{2} + 1.10(5)$$

Total tip of taken of III had liptoria

$$g=\frac{n}{n}+2\frac{p}{m}+\frac{1}{n}$$

Cit. In males responds

9. Ana. (a).

For initial in the or
$$\frac{1}{10} = \frac{1}{3\pi} = \frac{1}{3\pi}$$

$$\|P_{2}-P_{3}(1)\|_{L^{2}(\Omega)} \leq \|u_{1}\|_{L^{2}(\Omega)} \leq \frac{1}{1}\frac{2}{1}\frac{2}{1} \times f_{1} + \frac{2}{3}$$

 Π and Π be Hoff by A satisfying thems will be

$$^{0.14}(1) \cdot 20 \times \frac{14}{(40)} = -0.5 \cdot 0.64$$

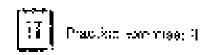
13 And (b)

Work data by value pipe in I married

$$= \frac{64}{\sqrt{3}} + \frac{19}{69} + \frac{1}{26} + \left(\frac{2}{23} + \frac{1}{23}\right) + \frac{1}{16}$$

. Masse the concupy the distortion in the strategy

Pipes & Cisteros



- so disestes: If with rain to an example and is POSCECUSE A white a to religible a notice than it gard. 6 29 hours in a little three closes operate. saturance say in his moon time the back with a - 114:254
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- $(\omega) \neq \sin 90$ for , . . (a) where 90 min
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 - (A) 10:00 ms
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- $S \in \mathbb{R}$ by this we further strictly required to $s_{m,n}(\rho)$ einschlichen Briede Groppetitzitlersschaft 10 hours leader don't have their 1 Applying its marry th Wres are sworth above to fill the percentago
 - (8) 25 mail
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- 4. The published water from tents where the constituent sach itt Stell a Babillot a Hawarany arvkys wj. \mathcal{M} , and but in third example to $\theta_{\rm s}$ if the second to \mathcal{M} COOKER, SE LOS
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- to inflor with immediate the expectly confidence of the where Ω , any consponding of the spin, γ due Here is $\omega(g)$ is notifical to each the analysis of and the following four logother to fill the planty 31.1°
 - *ii* 1.3
- c_{i} A_{i}
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- 6 TappesAAU Bus itt samminger iggesplage. Child learned triality δx_i a linear $p(p, \phi)$ that explain tietal in 2 mg militær Apins Banyla, Lysperikk PREDICTION OF PROPERTY AND THE LOCALIST OF PROPERTY. delignica i recessorance program
 - ŘE ALTON
- $\operatorname{to}(M_3^{-1}\operatorname{min}) = (2.4)\operatorname{min}$
- $\overline{T}_{\rm c} = 0.0005 \, \rm pagk \, S_{\rm c} \, \Omega_{\rm c}$ and a covariance term in Section $\text{off} \ \forall x \in \{x,y,z\} \cap \text{org} \ x \mapsto (x,y) = \{x,y\} \cap \{x,y\}$ and the problem of the problem of the $\Delta \approx 0.00$ into the of this wants is a sonotable $1_{\mathcal{T}}$ 66 A L 😥
 - (5)
- ion 12
- . . --
- $a(t) \in \mathbb{F}_{t}$
- $S = A \cdot S \times v$ minute from $a \in \mathcal{A}$ for the property of the factor of in $r \in \mathbb{N}$ (A), i.e., since the water g , the ratio of gHalk bearing of Wave Tells kind to leading a coanad and dinner the look liberary (significant) is with how he when they the determined.
 - (c) FT85()
- 6 (<u>3.8.0</u>)
- (3) B.40
- 9. A distant we two tape when $\mathcal G$, in the min s . The You establish to the elication revealed (polyther Assimulation all the coordinates and ill all may amentalist in 20 m and Heating or the wass Note take to constantly the full protects.
 - (9) (3):15
- $\chi_{\rm C} = 10~{
 m pcm}$
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- Two rules 5-2 har 5 can little be graphing; with loss and the helicated content that $\gamma_{\rm B} ({\rm Beh}) \simeq 2 \exp(- \pi g x)$ Tither was not intrefer, permeaning eit black wildered to the filtration is for a primary that
 - րունչ դր
- $(2\pi) d_{\frac{1}{2}}^{\frac{1}{2}} (\alpha i)_{R_{1}} = (2\pi) d_{\frac{1}{2}}^{\frac{1}{2}} (\alpha i)_{R_{2}}$

Dielen

(sepherbooks)

i. Ars (c)

Negro (1911) 11:09

$$\frac{C_1 \frac{1}{4}}{\sqrt{2}} \left(\frac{1}{12} + \frac{1}{20} \right) \cdot \frac{C_1}{10} = \frac{C_1}{19}$$

 $\alpha = \text{holder}$, without this $\frac{1}{\sqrt{2}}$ has

- 220% AUTO

Warkingto by helica. In Linual

$$-\left(\frac{1}{3},\frac{2}{5}\right)-\frac{1}{21}$$

 $z_{ij} = 281 + 31 + 31 + 31 + 32 + 121 +$

9 Ales (0)

For the takes of the ting the first laps in a matrix. In a second of the Williams $(x + 10) + y_0$

$$z_{1} = \frac{1}{2} \left(\frac{1}{10} + \frac{1}{10} + \frac{1}{10} + \frac{n \times 10 + n}{10 + 10n} \right) = \frac{1}{10}$$

$$5.00 - 20\%, +6, -9.00 \rightarrow -20$$

ich i Gestar di dice Jakos Coltins ich Intermativern

4. Анв. (d):

Cases slip of the $\ln k = (12 - 14/3) \Pi$ of $\frac{1}{2} \ln k$

r 1621yeş

PROPERTY LEASE COME, LIGHT SE

to inflore this energies = $\frac{\sqrt{180}}{\sqrt{100}} = 10$.

in Alba or

recombattly of filterial co.

Let no depairs in $\mathbb{Q} = \frac{d}{dt} (1 + g_2)$

Ospanog (1915 Juni 1996) vod. Ber trollen berehning

$$= \frac{50}{\left(1.5 \times \frac{3}{2}\right)} + \left(75 \times \frac{3}{12}\right) = 15$$

6. Ans. (d)

Prior Lid resemb

$$= -i\left(\frac{1}{10} - \frac{1}{10}\right) + \left[h_1 a_1 \frac{3}{100}\right] + \frac{3}{10}$$

Publication for small medical equipment

$$=\frac{1}{5}\cdot\left(\frac{1}{12}+\frac{1}{12}\right)=\left(\frac{1}{1}-\frac{3}{12}\right)\cdot\frac{1}{12}$$

Pow. _{Bill} cart is emplied in limit

$$= \frac{3}{2} \operatorname{cm}, \quad \text{with an admitted} \quad \text{for } \left(30, \frac{2}{4}\right) \\ = 65 \operatorname{cm}.$$

7 Ana (c)

$$\{a \in B \mid a_i: i \in \mathbb{R} \mid a_i \in a_i = \frac{a_i}{a_i} \leq \frac{1}{a_i}$$

remaining with
$$=\left[1-\frac{1}{4}\right]-\frac{2}{2}$$

- uniA in Bys / I curs ¥ork (1200
- \dots $\{S: \mathbb{R}^n: 1: \text{our awork} = 0\}$ 3.
- L. California cris

Hill (A. 1810) of Photos world - (A+H) of the re-

$$||x(t)|| = \left(\frac{1}{3}, -\frac{2}{3}\right) \cdot \frac{1}{12}$$

Dialor of extra tilbrank in 14 to and

.d. (Ans. (b)

Work condition the Part of the L

$$-\left[\frac{1}{2} - \frac{1}{19}\right] - \frac{1}{29}$$

Ock to raity their bris. In mu

$$=\left(\frac{1}{94}, \frac{1}{60}\right) = \frac{1}{120}$$

- $(a + Valland o') = \frac{1}{24\pi}$ of a = 0 thus
- ... Valute of whom: (** 0 s. Sillnes 4:38.40 from

9 Ars. (b)

More done by waste a point in in-

$$-\frac{1}{5} \cdot \left(\frac{1}{15} - \frac{1}{5} \right) - \frac{1}{5}$$

 $\mu_{\rm c}$, which plat subappy that, adds a in Eq.

10 A58 (C)

Landining appearance in page

Let α be a first of any (A * B) in an in, α . Narroided by A in (A * B) with $\alpha \in A$

$$x = a \left(\frac{1}{\sqrt{2} - 2 G_{\phi}} + (0 - 2) \right) \frac{1}{2} \approx 1$$

$$\mathbf{j}_{\mathbf{i}} = \frac{\partial \mathbf{i}}{\partial \mathbf{i}_{\mathbf{i}}} = \frac{\partial \mathbf{i}}{\partial \mathbf{i}_{\mathbf{i}}} = 0$$

$$\gamma_1 \wedge \gamma_2 = \gamma_2 + \gamma_2 + \gamma_3 + \gamma_4 + \gamma_5$$

 $\mathcal{L}(x) = \operatorname{IT}(\partial x) \operatorname{det}(x) \operatorname{det}(x) + \operatorname{L}(x) \operatorname{det}(x)$



Time, Speed & Distance

The everywer, & Distance in Livery important chapter to under avair three logical stays obtained in a not the signal security appropriate for the proof through the extension security to the question proofs, activities a signal were easily complicated in no purios of lines of the proof in miles ().

n Institution megalipada

- Зногон удерфі
- Assertion suspend
- Psces
- e i taroular agaz
- Appriidations is a is, a p

I wiefelt the dark syserleng erelation i.e.

$$Spro(a) := \frac{386 n \log }{376}$$

i 16 in illan i Appear S. distanco havo to polikeot ta ne sa Tispeed has to bu poevomod votichniusa

$$1 + \gamma d_{1} = \frac{d_{1}}{d_{2}} \gamma g \gamma$$

$$\sigma=1.028$$
 , $\frac{10}{8}\log d\tau$

Example 1

 Δ 3 km, as a si233 mass, the speed 42 at δm two model time L as as follows: the distances

Echillian.

Figure 2.5 eV for
$$r$$
 , $r2\times\frac{3}{18}=43r/r_{\rm D}$

$$\mathcal{A}(T):=\frac{2010}{40} = 0.890$$

Average Speed

The calculating the average shows the first long. If all has to be expected from the roles that the average value of different stems. It is dietally obtain on a switch traveling distribution the content of the conten

Average speed
$$=\frac{\text{Fool Bistainse}}{1.947 \pm 94}$$

Example !

Widen several first 0.00 unsters with the species $72 \ln t$ (i.e. all resc $200 \ln t$ for with the specific ke $4.0 \cdot 100 \ln t$ and $0.00 \ln t$

Solution

Tial a la source coverning.

$$400 = \frac{7009}{722} = 200.$$

Time aken bibbbon od:

)30 m
$$\approx \frac{500}{96 \times \frac{11}{6}} = 26.5$$

 $\sin t \cdot w_{1} = 900 \text{ s}$

 $a^{\prime}a!$ rliden ye = 700 ye.

Aneregy speed =
$$\frac{400}{50}$$
 = 14 m/s.

Where squal distances are develod with different uniform space, the value of distance costs not matter while calculating the Live kyo speed.

Ехатре Е.

An Ghouvers are stances with for spood 50 m Air and fine mouthone the provious distribution for a sequences obtains.

Salution.

. Thus given leading a scan (
$$e = \frac{E}{e}$$

. Unto Executor sectors of
$$\frac{800}{60} > \frac{30}{50}$$

Note that the
$$a_i = a_i + a_i + a_i + a_i$$

So determine a specific to
$$\frac{\partial E}{\partial x - B} < x = \frac{\partial E}{\partial x + BE}$$

$$\frac{\partial E}{\partial x - BE} < \frac{\partial E}{\partial x + BE}$$
 Fig. (20)

$$\sim \frac{\pi p}{440} + 40^{6} \sim \frac{200}{1} = 0.76 \text{ kmg/sr}$$

Relative Sport

Bit for some analygoes hap to stop p_{B} , p_{B} , p_{B} fieldbye school in borner (as die grood misse) maying budy while egyen, or the alsonia in gying

filters baided a command will in elegated it god a not the relative space is $\omega \in \mathbb{D}_{2}$ dy when

- Drewitte manify it said above (LOB)s is nep (a. Mary Wine Jiegron) Coll billion at paste direction.
- 107804) ozing samploh anvire 748 (is) or an interruptore valory (a.e. b) for a melanation (el ligitie opcionità fines a p

The interest funds of the cycle grown possible the profession make one legal coloriam and et-Established salignering light was about

Provising on Trailing

When its out it is \$555 and being it has to cover by voi , മാവ് സാണ്ടാന് നല്ല ചിച്ചിരുന്ന ആപ്പും ആ coinfirm distance will be the sum of longith of , g(y)and length of the object if Lagranger prior in $\{\mu_i\}_{i=1}^n$ Ungit of ParGday Using posts of the α_{ij} , $\bigcup_{j=1}^{n} j_{ij}$ scene discipated with owners we can propagate will be given by

$$v = \bigcup_{i \in \mathcal{A}_{i}} \bigcup_{i \in \mathcal{A}_{i}}$$

Tarrisan e ostato on karrish (akin 1997 agin winter _M an tashir wa willipla, ilia, syan

Tauric e Li

Alta Nicolaig with the sleep of CO tage progress. a world and in 20 south life energy on hot has been and the world in the colore.

Salet on

$$U_{T} = \{q_{0}, q_{0}, q_{0}, \dots, q_{T}, \frac{q_{T}}{q_{T}}\}, 2q_{0}, q_{0},$$

$$\Gamma_{\rm in}=0 \quad \text{as} = 9$$

$$7 \leq 20 = \frac{200}{20000}$$

$$\chi = \frac{1}{2} \exp(ik) \chi$$

$$= -200 = \frac{1}{2} \exp(ik)$$

Hitera & Bosse

 $4.199\,\mathrm{respective}$ of poor shift has the periodic gambilitation like trains prononel (2019-11 pg p. understand sa

- Utsaw https://www.gog.gutner.com/essagg/
- Provisional and evaluating impropriate
- \mathbb{H}^{11} , it is heta in the heta of heta in \mathbb{H}_{2} , is the exposition heta .

COURSE COINT IS TO LARGE REPORTED IN THE LET Problems, the σ is the map q with $\sigma_{m,n}$ ($\sigma_{m,n}$

Examela 4

Aparton silve is a distance throughout and tenta un una bach i pareculato se Hegi di septe 2007 line our appear of Har-

eol non

. Provide inapproximation $\{1,\dots,n\}$

bowndern napee, i at., i i gr

Shudu dicastanesi (divereda disastas

$$-(0.4 \pm 0.06 \pm 0.04 \pm 0.06)$$

$$\Rightarrow \beta_{-i,j} = (a)$$

Circular Ingaka

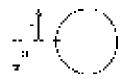
 S^{\prime} en suktion case in order her her principle. 42° 30°) unitid is the first masked belowers a γ populare five neering matter ∏ step to the year 1.5 g sill et dan de bekeg

- Pittlissen welling breath
- $^{\circ}$ TeV nucling tice $n \times \omega_{\rm ACC}$ go of ().)
- Word states, guide or the longer engage in: $\pm 6.000 \pm 0.000 \pm 0.000$

The state is a consist that garleggy, an

Carro .

 δ e isoposous sie uni gentrabate lipo and the year or up to be shown in a sec e sa dictor



$$+ i \cdot \frac{D}{a \pm i} (2\pi \log d) on r \cdot e_{A} e_{B}$$

Case 2.

W0000 the can assign sons crass of $\mu_{\rm B} g \, g_{\rm B}$

$$f_{1} = 100M \ln \left\{ \frac{D}{a - a} \left[\frac{D}{a + a} \right]_{a + a}^{-1} \right\} = \frac{1}{a}$$

$$[-1004\pi [\frac{3}{2},\frac{2}{5},\frac{2}{5},\frac{2}{5}]]$$

acembie s

Tablipersons invited than 3 as a circular back with 8 access 3 and 8 Son (singularity appropriately a flow eggs) and the latest appropriate as well as \$100 and \$100

So disc

For equation of different
$$\phi = \frac{1000}{200400} \pm 35$$

$$y = LC \log t$$
, $\frac{1001}{200}$, $\frac{100}{30} = \frac{100}{130} = 1000$

$$\lim_{t\to\infty}\eta+\frac{J_t}{\tau}=\frac{10}{2}<0.$$

Application of variation.

. Po An albreek, Pero alcohol var siture (1995) je In TSD

When contained Is as nation;

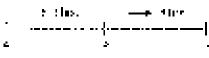
$$\mathbb{E}[x) = \mathbb{E}[x + \frac{1}{x^2} + \frac{1}{x^2}] + \mathbb{E}[x + \frac{1}{x^2}] + \mathbb{E}[x + \frac{1}{x^2}]$$

At DM Tilenshidig) if special accompany (x_1, y_2, y_3) is pressure special frontings—Wiley (i.e., an arrent of absolute time.

Example 1.

To effect the state of the officer traditions moved the early of the effect of the eff

Zotatiani.



1910 **+ —** — Thry **----**

າ ທີ່ ທີ່ A Wulffer, let buin ໂລ ພາກ Linton ການການ _{ຫລື} ກັກ ປະທາ

$$2 = \frac{2}{3} = \frac{3}{93} \times \frac{3}{1} \tag{3}$$

Sing Radio Society

$$\frac{\partial c}{\partial t} = \frac{1}{4 \pi} \left[\frac{1}{a} \right]$$
 (1)

Page 11 A fra

$$\frac{1}{2} = \frac{1}{2} = \frac{1}{2}$$

$$S(t) = \frac{\Delta}{\Gamma} = \frac{\Delta}{\epsilon} = \frac{2}{2}$$

wampie §

Two trains the form the bid. Mun by records and all or so if the non-instructions is they can only occasionated an expectively. The bottomethal or all and process pack of the

Sotution:

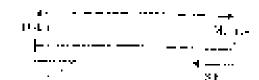


St. Invitate to Dehi bus First, a Trip bronce Mimbala Air Lighter

Se specifies a $\frac{\Omega}{\omega} = \frac{d}{\theta}$ (in serious energy)

itel space of -20 ± 24 k. EC ± 24 t.

The digitable between Dehico Muniby = 5, 5 × 8 = 90 K smi



Ottable the problem is two carried elst aid 8.4 (Ce. $g(\mathbf{g}) \in \mathbb{R}_{0}$ with the long powered specific liber.

rise time when
$$\dots$$
 must $= \frac{30}{94} \cdot \frac{1}{4} \cdot \frac{9}{15}$ = $\frac{9}{1}$ from $= 9$ from $=$

55 occurrence in occur in Care

Rooms

in religion, here the tax section control sons which si wa senegary na zidaji bubi

- "banp a smillofdista od šta rzed."
- Cumpanyum of speed 3 fires
- Let us we some exemples.

Екапр с І.,

 $1 \le 100$ (peter $\epsilon_0 + A_0 + \epsilon_0 B$ Bib. $20 \le A_0 B$ 100 B 0 ~ 20 m. Find tuning standard to 6.5×10^{10}

Solution

A 1, easy 3 150 20 15 👄

when Alloward 190 mill coward aren to enbuild audid solve (10, 10, 2)

zona, diologie ed or Ali, Billia i Ali

Similarly $\mathbb{R}^n \mathbb{C} = 0$ 4.

90 A : C = 20 : 13 :

So great Algorithms $25 \, \mathrm{m}^{-100}$ to $2 \, \mathrm{m}^{-1}$ Am So when wiet leaver 100 m, 10 millioper 15 / 4 = 64 m

Mo. Aliesala (Clay SS medera



Softwed Skantple

- Walking at the of the named sceed. Assets ik. Considerate machina historical inside of these ishento in luo civa die Jasaka salawabila **vo**nd and he alloced
 - (3) (3) (1) (4);
- The Communical
- god i së të trutioni i i
- Mil Gilmet et:

251 S. (6)

Special Communication

Here is a transparent of $\int d^4x \, d^{11} \, dx \, dx \, dx \, dx$ with the principle of the T

 $\frac{d}{dt} = 2\pi k_0 \cos \theta \cos \theta \cos \theta$ into

$$\frac{3}{2}8 \times \frac{4}{2} \rightarrow 0$$

$$\log \frac{9}{7} \pi_1 = \sqrt{7} 3$$

- Iwo Surus, Cobisto Meriand, sonthay Manials, nat the second mathematical (Calcutta and Company) residentive placeads each offici. After chashioland h athog moveless \mathbb{R}^n hours and \mathbb{R}^n hours in $r_{\mathrm{ext}, k}$ Bird (89,800 Carolub, less extrela II de Caroa di West a most clet the appeal of 45 kmm tag tag na al Hat Harris Mail 8
 - (a. 31 k a)
- (c) 21 k W
- i (2) bekindi

Ans. (d)

$$n=\max_{i\in \mathbb{N}}\max_{k\in \mathbb{N}}\frac{S_{ij}}{S_{ij}^{k}}=\sqrt{\frac{I_{ij}}{I_{ij}}}$$

$$+\frac{48}{35} = \frac{\sqrt{8}}{\sqrt{2}} = \frac{1}{7} \qquad \qquad 8 \cdot = 30 \cdot 47 \cdot 96$$

- Rojekon Expressitare ettetivni stiturana nymen. Situation for Obstational States of the Siego of Self-
 - (5) 1580 april 1
 - 44 65 km²
 - to, sourcedo compositorementos

App. (a).

Averagia sidea si =
$$\frac{Total | \Gamma \log_2 rse | \Gamma | u \cdot v_0 \cdot v_0}{c(a - rre) \cos 4a}$$

$$=\frac{350}{9}\frac{310}{9} = 138 \times 10$$

- Action of the distriction is at New York, it early again light Pirt Alatity Lord land again good Lantition for la se na Vulktuft. Via lavarrida specia si tra aka g
 - $(p) = \frac{2\sqrt{N_p}}{N_p + 2N}$ $(p) = \frac{2\sqrt{N_p}}{2(1+2N_p)}$
 - $\langle \mathcal{C} \rangle = \frac{2 \mathcal{C}/\nu_{\mathcal{C}}}{\nu_{\mathcal{C}} + 2 \mathcal{C}} \qquad \qquad \mathcal{C}^{*} \gamma = \frac{2 \mathcal{C}/\nu_{\mathcal{C}}}{\mathcal{C} + 2 \mathcal{C}} .$

 $\Delta sgraph spec_{ij} = \frac{\text{Total Displaye}}{\text{Total Circles}}$

$$\frac{3}{\sqrt{1+\frac{3}{2}\frac{3}{1+\frac{3}{2}}}} = \frac{3}{\sqrt{1+\frac{3}{2}}} = \frac{3}{2}\frac{2}{\sqrt{1+\frac{3}{2}}}$$

- 5. Notesta Virtig welking on a governor 25 force Section is subago 10 throise, we have tryin the a usazzada aposol sy é saga puténda hat na is gill the my infinitesal What is the distance of the ggust artmuit egelete
 - (e.) 25. erg.
- $\Delta x_1 \otimes y_{21}$
- (g) 1(3 x m
- III (d): Noncry || egg

Ans fall

Loi distance to Dikiri

$$\frac{11}{20} = 1 \cdot \cdot \frac{10}{10} \qquad \qquad ...(1)$$

$$A(x) = \frac{10}{25} x^{2} + 4\frac{3}{30}$$
 (10)

Figure and force and

$$0 \times \frac{7}{100} \times \frac{1}{10}$$

$$\omega_0 = \frac{100}{100} \times 20 \text{ erg}$$

- В. А бисстванового придву и 17.5 жили вомениу the Crompation St. An Arrang the property at all 40 km/n i find 1 e distyrigg griffa Jaumey.
 - MI 651 a
- (0) (3°0) (n
- 150 1200 etc.
- 1d: 570 km

Аля. (от

Hitte Total Line vi Projety (poural

let total Disputes an 2-10 year

$$P(\Theta) = \frac{10}{96} + \frac{2}{90} = 17.5$$

$$0 \int_{0.75}^{0.1} 4 \frac{1}{75} = 17.5$$

$$72 \times \frac{7}{123} = 17.5$$

$$3 \pm \frac{17.3 \times 120}{3}$$

f(t) = 0.30 km.

Tabé Balanga-20 4 800 ay

 Monte i movida quera nichetar de qui cangi menata. of 18 km/t and walks took or the late of 5 km/h.

183 Whole curries includence in What Is the diggrees ha daywaya apina 1941 il

- (a) 12 km.
- 161 | 15 graph
- 100 B vn

Ariag. (21)

loft lissar bulby 🤼 👝

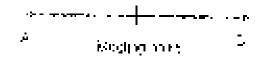
$$\frac{D}{2} + \frac{D}{2} \approx 5$$

$$\frac{10}{12} + \frac{5}{2} \approx 5 \qquad \qquad 2\left(\frac{1}{10} + \frac{5}{5}\right) = 2$$

$$3 = \frac{5 \times 12}{5} \cdot 5 \cdot 2 \cdot 60$$

- $\theta = 200$ as a Genta distance has built any significant appealant concition in the polyna Aland Charle https://www.ej. custinguos Stansfalliguis maces, ye y biyritha). need global offer. All what rate good the second ന്നത്ത് (export incolpred and even ചുട്ടു km നണ്ടുപ്പ
 - Gy 1991a a 💎
- (01...301.)
- $\hat{\mathbf{u}}_{i}^{*}=\mathbf{u}_{i}\mathbf{u}_{i}\mathbf{u}_{i}$
- Tidi. Noncertoesei

Ans. (c)



$$\operatorname{Frage} = \frac{3\pi}{5\pi} \sqrt{\frac{1}{\sqrt{5}}}$$

$$\frac{90}{8} + \frac{32}{35} = \frac{80}{5} + \frac{8}{3}$$

$$3. \pm 180$$
 Annual

- ft. A powersy of 182 lens goes 7 Premer use by 1,000, train than by a stow care. Pute awarege coopera-1943 see hum og 198 mga legg fram mar se 144/494 , Whith state average space of the legioning is
 - $\gtrsim 32 {\rm kppg}$
- Pat 13 Juneti
- (f) 1≨ N got —
- ide dê grajiy

Ans. (d)

Heapted to located the new from their

$$\frac{1.99}{9 - 16} = 109 = 9$$

This type of quarters can be pressly shown by Office Production

Heary (sinc, coupliers) wild purpositing as $\log 200\% \pm 4\% \log \log_{10}$

10. w pasher gall treinigkęs 20. espące ję oumby mogu remoleasibila speed പ്രദേശങ്ങൾ വൃദ്യ എന്നും പ്രദേ to suglament Fighths (sub-scard)

- (a) 11 (sign) (b) (b) signs
- (63, 70, 609)
- 79 85 A pr

Ares. (d)

Color of edds forward to be seed displayed anyon.

そっか 正確なり

- vo prama ich fenå an noun latern mit find sakagt dag. ums and in order to resum its description itself. kilon etre abay in ories, all adito nonsise in succes. 899 (signal conditions) towards usual space. Find $\Gamma_{\rm to}$ ind assert (Feet)

 - (a) 250 kmp i (b) 300 kmm
 - ret will know in
- adji kana oranga
- ATRICE
- $50.35\% = \frac{1}{6}$ bit ofined spect

Satisfied from the operation of the satisfier of the sati

S=750 kmt < m

- 0.25 A cas have (3.5) acts at size to on a significant $_{1000}$ will, a velo dig of 10 to shalinen extitui vicina occacily. of 20 Lord and Sky bast 1/3 with a veneral of 201 mg t. What is the gap logary (edly of grades for the winderican section
 - (a) 15 km/a (b) 30 km/a

 - $(c) \cdot (20 \log \alpha) = (-1,) \cdot (5 \log \alpha)$

Анэ. (э<u>)</u> г

Аминация временя — Вистипол высовляет

П! ст/па;

- Walking at 94 of the squal speed to man is 18. Ying this sile forms of Coe. The usual rand table, by num le caesalant distancia es

 - ia v 5 mirotas ili. il 60 milietas
 - (a) 48 minutes (5) P2 minutes

A13. (a).

 $S \times T = 0.645 \cos(6.00)\cos(200)$

$$\frac{d}{2} 3 \times \frac{d}{2} 3 < 0$$

 \mathbb{F}_0 is much to some $\frac{4}{3}$.

Now
$$\frac{1}{2}$$
 in the Hammutes:
 $\frac{1}{2}$ in the Hammutes:

- 14. Taya tesige for Starra terva Halfallat អ ការ ១ ជាខាងទ alm and travelly, \$8 kmpl, und 1.55 kmph F860-Au very il con lany kilometres from Golff will the await comparison?
 - id) 1992 1 m (g) 280 din

 - (f) 200) gli kone ofittesa

596.(c)

Onlance involve to the 17 being 16 injuries

$$489 - \frac{12}{600} = 60.0 \text{ m/s} \frac{147}{2} \text{ and}$$

 $\text{min}(S_0) = \text{prop}(S_0 + S_0) = \text{for the line in the simple states of the simple states$

Tin a Edward a tooty (keykm 's)

$$\frac{75.5}{395} = \frac{1.17}{30048} = \frac{147}{76} \text{ pour}$$

$$sinner = \frac{187}{78} \times 98 + 19903.$$

Total disauncia – 7 kir v 195 55.

– 353 στις_{11 στ}

- Ω A negational work acceptance $(0,20~{
 m kg})/{
 m kg}$ in modality returned, hough the boar hypona in an A laterable returning it the prescripting the flavor waterwitte on high, the . To bewrickless it are back With $A \cdot e \otimes 72$ abute. In after space a in $a \cdot b$ in dillocter and incoperate are type [[bw]
 - (c) Sant Plan Gibboth, Come
 - 6.0 d hard 10 km model 12 mga, 3 km lit

Ler speed of boarticity,

Spece of stream ≥ %.

Then
$$\frac{2L}{\beta_{1}}=\beta_{2}=2.4\frac{2\beta_{2}}{\beta_{2}-\beta_{3}}$$

Also
$$\frac{(a)}{S_B + S_B} = \frac{S_B}{S_B} = \frac{S_B}{S_B} = 172$$
 mid after

Och grahesty by natva

$$\Omega_{\perp} = 11 \, \mathrm{grg}$$

$$S_{\rm total} \in \{ \{ \alpha \}$$

- (ω,Δ) from page (ω) as a recoverist appears at only of real squie: A 577 Westpolescopletion yt an Airch s 305 med & Log Tind the spacetoil, which
 - (a) 75.6 July
- dhi 75,4 gren
 - (c) 782 403 (d) 21 km/h

Ans (e)

To cross in each

$$z = \frac{\tau}{\delta_1} = \frac{e \cdot igtl}{sacces string} \frac{e^{itrain}}{s}$$

$$z = \frac{\tau}{\delta_1} = \frac{e \cdot igtl}{sacces string} \frac{e^{itrain}}{s}$$
...(1)

Also to over the standard group $j_{1}(j_{1})=\frac{j_{1}(j_{1})}{2j_{1}}$

$$\omega_{t} = \exp(-\gamma \Delta t) \operatorname{slate}_{t} \exp(-\gamma \omega t)$$

$$09 = \frac{1 - 570}{9\pi} \tag{0}$$

 $mn() \ge M(i)$

$$\{x_i\}_{i=1}^n$$

$$31 + 21 \text{ Mps} = 27 + \frac{16}{2} + 7 \text{ as trady}$$

- Y Altitual squarescent the inverse following the $ho_{
 m S}$ are fivenest 8 by . The speed of the river figures Shorth West around be the mining an appeal serve. bloat for the incits tokak a payment of 4 hours?
 - യ് ഗത്തെ വ
- aLA Gleman
- $(z) \neq (z, p_1)$
- i doji sakmoin

418. (±).

$$\frac{c_{s+1}}{c_{s+1}} \frac{c_{s}}{c_{s}} + \frac{c_{s}}{c_{s}} + \frac{c_{s}}{c_{s}} = 4 \text{ mod }$$

$$\frac{c_{s}}{c_{s}} + \frac{c_{s}}{c_{s}} + \frac{c_{s}}{c_{$$

Cathy by cruenthal passing \hat{g}_{θ}

$$\mathbb{Q}_{+}=\mathbb{E}_{+}$$
 in Front

15. For Eulerica turning), people browns those ω conditional appeads of 40 km an entries an experi-Webstive of the training apparent arms in the account to the Conveyor obtained angle to the leader t tin €_.

- ia) 200 ji Ales
 - jói likumaira_s.
- foli \$2 (notine Pri) [2% glober

6 ts. (4).

$$\frac{1 \cdot -\frac{1}{2}}{2 \cdot -\frac{1}{2}}$$
 (1)

$$S_1 \sim S_2 = 40 - 20 \sim 50 \text{ K} \cdot S_1$$

$$=3.1 \times \frac{a}{2} = \frac{10}{9} \cdot 678.$$

$$\operatorname{PVE}\left(\sigma,\frac{1}{3000}\right)>38-\frac{1}{5000}$$

Ya
$$I_{\pi} = 100 \, \mathrm{m}_{\odot}$$

- 19. The speed of the point in 40 (pages is the first left $_{\rm eff}$ d 2.356041 of the chord in 5.8 km/s. A cilibration è su goran itali∉a i , is soverse e
- and the Same
- (a) -1.012 m in (b) Figure (4) in the contrast of the contr

Ars. (d)

$$:=\frac{10}{2g_1+g_2} \text{ (then sent)}$$

$$= \frac{8}{5 \cdot 10^{-3}} = \frac{9}{9} \cdot \frac{1}{9} \cdot (90 - 28) \times (1)$$

- 20. A cool goes 15 kg is personnin 80 minutes, har -deed at the straight is 5 to the interesting tipe. mot e vill valen e
 - $\hat{\mathbf{q}}_{2}^{\mathrm{o}} = \mathbf{g}_{2}^{\mathrm{o}} \mathbf{T} \mathbf{q}_{2}^{\mathrm{o}} \mathbf{q}_{3}^{\mathrm{o}}$
- 121 1 ME 1
- tet laiknyn i Ald de gedy

A 34 (g):

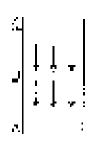
$$\lim_{n\to\infty}\frac{D_n}{S_{n-n}} \leq (n, n) \text{ for any } n$$

$$\frac{30}{30} = \frac{15}{9^{1/2}_{12}} = -3 = \frac{4}{9} = \frac{15}{3^{1/2}_{12}}$$

$$T_{\rm e} = 10.22 \times 125$$

- $Z^{(i)} \cong \Re (near), \ D : \operatorname{cos} (n) \operatorname{Seatheen} A : \operatorname{prod} (1, \operatorname{Rep}_{A}) \operatorname{mult} (1, \operatorname{Rep}_{A})$ s en bida tillom om alandid in hadriger ga from A to B, and pack in 6 to 30 light test at their 9003 Part A Id Clin Sife. I berlang wood 1 Haka G curbon Cita AV
 - (4) 0.751 (
- th: d. r
- 15/4/251₁₁
- (8) 135

Ans. (b).



Lai ett – 1 km hen

ACT - 2Exact

$$\frac{(4)}{S_1 + S_2} = 6 \qquad ...(4)$$

So
$$\frac{L}{S_1 + S_2} = \frac{9}{2}$$
 ...(4)

iroto (i) and oil) weight,

$$\frac{C}{L} = \frac{D}{d_{\rm p}} \frac{1}{L} \frac{d_{\rm p}}{d_{\rm p}} = \frac{d_{\rm p}}{R}$$

$$\frac{1}{2} = \frac{9}{5_C \times 5_C} = 9$$

us politiona 1. to 4 hitckes.

$$\frac{2D}{2\gamma + 2\gamma} := 2 \cos(\alpha)$$

- 99 , ± 3 (below are weaking in the mand, from an ϕ ര്ധ വന്നത്തെ ദിവാസ് നടമ്മെ അവുന്ന പ്രചുക മൂപ്പ crosses a maidh na Awyergan in né courseathra die le rati of La teachiain.
 - $\langle a \rangle = 0.1 \text{ cm}$ (2) Lemma
 - into the arm.
- . a. 1 * * n

÷ាខ (ឃាំ

$$z = \frac{-1}{\sqrt{2}} \dots \frac{1}{\sqrt{2}\sqrt{2}}$$

50 - 50 = 60 matrix = 700 matrix

$$\operatorname{map}(1) = \frac{L}{50.19} \quad \Rightarrow \quad 5.000 \text{ a}$$

26 Without Improagn a Paurit studie at an Everage speet a 75 km² yoddy y steppadon towars (ca 2010 d 35/200 at an enabyge 8 (Hec.) (30 k pm.) কিছে । euly nin despende indoorbeer an stok?

iii) iii) nnates

 $\sim 300\,$ GP manufors.

. 60 - 4 பாரை (க) கேற்றுக

Ang (þ)

2.788 imes 0.006 colored and uniform with the 600 can max \mathbb{N} second uppo (with Macpeger, while $\omega_0, \omega_{0,0}$

where supplies the first state $\frac{g \eta}{g} \sim 48$ minutes

in impanya kahilikasi

24. a rom rows 16, on up the shear card US kin door 300000000000500 Gaun time. The percentily of $\pm a$

Contract I

40 l kra

ារ៉ាត់ 12 មហាក

 $m_{\rm e} = 1.4 \pm 0.3 \, {\rm dr}$ (cf. [2] $\pm 0.3 \, {\rm dr} / {\rm gr}$

Ans (c)

$$\frac{|\alpha_i|}{\delta_2 - \delta_2} = (i \wedge \alpha_i)$$

$$\frac{e^{int}}{S_1 + S_2} = 0.900r$$

$$^{15} \cdot 55_{5} \cdot 10_{5}$$
 (6)

$$\mathfrak{R} = 5 \, \mathcal{S}_0 + 5 \, \mathcal{S}_0 \qquad \qquad (1)$$

1/ = 11 Gu

 $\Delta_{\theta} \sim 1.4 \ \ kmy \ tr$

25 Alma loan row dt. writesrwegt god Milym රහා හමට in 10 කයා Lisinso krown tha ha conto=40 km (tost semend 55 km down thromin Of core. Find the seasons than earlies, I wasn't

66 4 **2**001

र्वत्र है बार्ट

्ति हैं के हैं।

i ishi Pikmin

4ng. (n)

$$\frac{\sqrt{2}\Omega}{\sqrt{g}} \approx \frac{4}{2g} \frac{g}{\sqrt{g}} = 10^{\circ} 2 \log g$$

$$\frac{10}{S_{11}}\frac{10}{S_{11}} + \frac{95}{S_{11}4\sqrt{s}} = 33$$

$$FDr + rdy = 10 gy$$

$$45x - 93x + 65$$
 76

 Σ_{k} doing on get S_{k} and smith

- 26 ក្នុង ទាច់ទៅ ការដទៃ លោកខណ្ឌង. 2 នៃទៀត ខាក់ ងារ (Jue X 10 km updrach and outles book to the SA tiles annt mealmh, es. Find die speed of the filsa 🦠 thi eater
 - tati Litikman
- (b) 22 arm
- tot 24 km²n
- idi. 25 m 6
- Ans.(c)

on taking etg. Fil we det.

 $G_{\rm eff} = 2.2$ km $_{\rm cmm}$.

- 27. A mour best went drown (the (ker k), 14 K bis out 1966) godjevije Nji 90m ililarkaliza misosikarojito. து நிது நடிகள் அசென்ற season of the noon recording i seconde≥ing book a seke∠ur sie kard.
 - ias Lambi
- 75-15 mid
- والمراشية الأرثية
- 355 31, non-

المائيجا بط

$$\frac{14}{S_{2} + S_{3}} + \frac{9}{S_{3} + S_{5}} + \frac{9}{5}$$

$$\frac{4}{5} \cdot \frac{3}{2} \cdot \frac{3}{5 - 3} = 0$$

Orang equin on sans group I yapping well, etc.

$$\delta_2 = 2 \sin 3\pi$$

- 28 // mcorpos, whose speed it sall water is 10 km까 werd \$1 km downstleam amighen returned to its again in principle Calculation the specification about flow. althouse na Inpireck at 20 hours.
 - (a) (3 sagn)
- fDt 4 ar år
- (e) 2 km/m
- idt 6 arch

Analig's

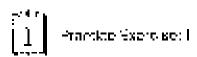
$$\frac{91}{S_{p_1}+S_{p_2}} - \frac{91}{S_{p_2}+S_{p_3}} = 20$$

$$\frac{8}{100(3_1^{-1})^{10}(2_8^{-10})} \approx 20$$

Տ. ներ մի

er Chuth

Time, Speak & Distance



- ij, lia ya iji ye⊛a- simbwey hitaga 1 Guriboqiini. ? an transfer that I man is increasing at a speed of Consoliding the engine protein nations.
 - British Filters
- ih: Lelfi
- ici san
- nicht steme ditteren
- 9 Sp., ratiosed CCC rights a cecons Pagas Datel. g glyn syng in i declaracións describes. Pusak ordes, na firmaci kalindigali, a vistombe si i
 - (a) 07×n
- 63 35 km
 - ios la 3 km.
- inf flore of lesse.
- So the wheel of an engine is $\mathcal{R}_{\mathcal{F}}^{\mathcal{S}}$ modes in

leave influence and makes 4/cost motion 2/cosu issuna appropriat Letternish

- int all and
- i (e) Nor e oli rese.
- 8. On a roundinantic velocitie is end 3 in 1961 (6.4) Notice figg 160 of Themhays although 180 smith nsa katalan 90 km an tigan The akensus susselfin ka 1 perfect in the half S20 at in Them upon
 - (a) $A = (A \log m) = (a) + (b) + (b) + 1 + mm$
- - (e) 21 **11** gran
- i gá famar least
- Takest sess upgrowner inducation in anni. at the same time surremoterts from Mad wis to Doll it. $A_{i,2}$ recast greater the line of the individual etain 9 cm. 16 sours, respectively. Atwins, pool does Sukcept evoluii Pakes (1990) 98 ALT 8 Pri decito 171
 - \odot 1.2 km/m $^{-1}$
- . (b) as eigen
- 500 4850 fb f
- (a) Note of these
- 報、 A compurports comes have 230 for Gee stisks 600 $\chi=10~\mathrm{Jm}\,\mathrm{Jm}$, somiter A_B at m , on m a spaced of B_B aming and thours at a glead of 70 kin*n TW. аметаде вреек (1316 бала)
 - iou 83 lingvi
- .:D) 65 ku 1 u
- ter laukiger.
- ((81-1955) n/1] egal
- ு BywsiFogat i GhB ≥ B sceed arrandoro €.
 - grays (Commes we also read, taxam tare?)

- $g_0^2 = 35$ Minution.
- (a) (b) minungs
- (4) 30 m[huñga]
- Alt Hone of theep
- ម៉ូរ ស៊ីនយានាងនេះ ១០០០ គឺ ខែ១៩ ខែឆ្នាំ១៧១៩ ភូមិ «ប្រសាស្ត្រ ខ្លែម
 - $rac{1}{2}$ nound topolismorphic (so starts from Alimb

interesting of the legal (30 kg/g), from people of

 $|\mathcal{G}_{\mathcal{F}}^{(1)}|$ hours holders the size on Fine the distance $|\mathcal{G}_{\mathcal{F}}^{(1)}|$

A no st

- (4) 285 0 1
- to: 280 km
- 10 240 d n
- Bond of Break.
- Φ_{ij} is isoin data a [burneviet] out $\mathbf{a}_i \mathbf{b}_j \mathbf{b}_j \mathbf{b}_j \mathbf{b}_j \mathbf{b}_j$ where 1 FAAR I Avelled 5 inn at Hour fasten it woole need Jore the isomewhich has bettiming them in its slower 5000037
 - ye) Bakeybri
- int 23 arga
- ich Allkmytri
- I(t) for $t \in [t]$, legg.
- 10. Whas stry absorage tiperson a seasile ceden differential on everage speed of 42 or fineral will ണാവരുന്നുന്നു അക്കുറിച്ചുകളെ പ്രചിവരുന്നുള്ള വരു വരുന്നുന്നു. 30% (428 km dig - later fant-immelek een né indees Leauch
 - [60] M. Orrensa.
- (b) Stimbholes
- (a) (b) m rur 24 (
- [6] For a of the ce.
- 11 A tisin 000 metros, ang is rumang at a speaktig). $30~\mathrm{km}$ fit. Here there repards with Higgs $g_{\mathrm{c}} g_{\mathrm{d}}$, $g_{\mathrm{b}} g_{\mathrm{d}}$ Prei modes largitger i trilling in melea ne dycoloni. ភាននោះមានស្^រ 60 ខែ នៅក្រ
 - ian Püleedi
- 100 S 1900...
- AN LE mai
- Pdf: Nonacl Prise
- \mathbb{R}^{n-1} e Urains ere i un mg it oposito directions of nSkuračno spočed. Il teo leseph bil ones ira e 14. 33. in clies and libes cross each of particle garages. the speed of each installer.
 - (s) 29 kinstr
- ik, kawami
- i idi. Momo tirnis≳ai
- $15,\,(m)$, sing are investig in the phase invertible at St. k., An differ 4th efficient the interest and consequents and a kapteer from Life seek. Use Find the leads 네 16 등 [63.5] 1. 원 [6
 - (a): 120.mg
- By Park
- (5.1 0.00) for
- (d) Not excit lead
- 14. Paolisona 190 m and 150 m berg, code gerigina ue au le pirocités librations isons verone artholes.

- to pase the chief on tipletary inforted a surport gift. campate-feet lists mey pass codicates completely. in Siccopi ét, andare spossi vilosati I gin,
- ini 12 Mgas 33 m/gas.
- \$50 56 militario (All mylessa)
- !f) 26 tVana 42 m(⊊90,
- fült i karta of Bresse.
- 15. Two ซลเมศร Aland Elara (20 ตก.อยุลกระ กรสกาสุทย in e. One can plants from A of 7 A M. and have a towards Blad 20 Unifor appears and general reservatives. kant 5 8.9 A.Mi. and theyo'd town balk at 98 americ OppOd. All whom me will they mee?
 - (a): 10 93 A.M.
- $(\omega) = (\delta, M)$
- ici TOAM
- (a) Ivery of head
- 76 . By 0 trains that is a time form 40 + 10 + 20 + 20 = 0Principal discossibility and a second legistration when 20 km is a 40 suit per rout reproductedly. When they Feet, this found stations have been well and the more than the construction and a since the page of Mumba and Punki
 - (a) 1**5**0 km
- :b: 100 km
- 750 120 ann
- (d) Petric of these
- Like and flam lex skill $p_{\rm B}$ a (i.e., question in the σ សាស៊ីក្រុងហេតុមានក្នុង (Bright Stock A Stock Clawer Stock For and Sversgespäckler ille varios rösmes as a smith set what operated the world
 - (2) 46 mtr.
- 160 × 3.77 to 41 r
- jet 30 milj.
- (a): 47.42 ki; (b)
- 14. fiùthèibhéach i an parahg avan le light págag The leagh of the Italia is their that, of pripage through trala nivos die pridga in 2 maigto, ilio spekti o Siellaitic
 - (n) 40: k=#r
- (h) 45 e year
- 30 50L 50
- (d) Nate of the A.
- A motor ryally gross right Number in Party, a distance of 18% kms. Wich have grespood unit 20 km.
 - puls. Anumer rozo stanta e a o Mara μ_{0} Ly χ_{20}/Z_{10}^{20} Massis Stall, Haird and read of Pincing an Fron vodiliča What is the ratio of the greed of the makenyolesi dilbe dar?.
 - (5) 1 to 1
- (2) 1 多
- $(0) = 9 \cdot 37$
- (6) 5:4
- 2011 A range in seasons to see a distallable of Partin in Asi utimizes. Purposeono $\frac{2}{2}$ cothe distenso in $\frac{2}{2}$ so that

what should be his apsied to cover the remaining. alteaced in ingremoiding supply

- (a) 164 pm (b) 6 k pm
- Asia Sakaran
- (31) !4 x m/n

Millio from 110 mener ir tengrupurses aman walki ca griffer ag each (18 Linyon ag sintail in Beauth neal Hier apout of the using his more performis-

- (a) 10 kg/m (b) 40 kg/m
- (d) 50 g g . . .
- (.) 55 % ₹

市设在中

S**o**itulions

Analit:

Let note ignicities train become

 Δ . Rata participation province by the string $-\infty \times 2000$ Schedult Industrial 60 kinga

$$= 30 \times \frac{5}{16} \cdot \frac{60}{3} \cdot naves$$

Since Ensignate a Speed with re-

$$x = 150 - \frac{50}{3} \times 16 - 300$$

- on the 3.00 . Thus we shall not
- Length of the from 180 m.

Z. Ane (1).

- Referencial trundesveious.
- , oldarda taaled jy yddygit ifogeg
- (eet x 10 ympabe)
- 9.5 -

Ane. (9).

eu trance deveres in 2 secconfi.

$$\sim \frac{5}{4}$$
 to $4 \sim 1$ at 1

... Speed =
$$\frac{(0.5anch)}{\pi_{0.5}} = \frac{1}{2} \ln (nch)$$

= $\frac{(4.5 \times 18.5)}{1.2} \times (nch) = 2.1$ and n.

4 Ams. (c)

Let he speed on the relating join by booking it.

$$\Pi(e^{i\varphi_{1}}(\delta)\xi)=\left(\frac{2\log_{2}}{3\mu+3\varrho}\right)\cup\frac{(2\log 4)\pi(e)}{3(4|\ell|)}$$

$$\lambda = 7.654 + 30 = 160.6530 = 44.65$$

$$z=z=\frac{44iz}{1}\pm 23.76 \sin z dz$$

5 Ans (a)

$$\frac{-\text{tokeahis 20eed}}{3\text{ prome succod}} = \frac{\sqrt{2}}{\sqrt{3}} = \frac{\sqrt{12}}{\sqrt{2}} = \frac{4}{3}$$

to the up the special
$$-\frac{2}{2}$$
 . However, it is succeed

$$=\frac{9}{4} \times 3 \cdots (2000) T$$

6. Are. (a)

$$m_{\Phi}(q) = -\frac{Q_{0}^{*}}{2Q_{0}^{*}} \frac{-2Q_{0}^{*}}{2 - \frac{1}{2} \frac{Q_{0}^{*}}{2}} \frac{-2Q_{0}^{*}}{2} + Q_{0}^{*} + -2Q_{0}^{*}$$

$$\boldsymbol{z}_{j}=\boldsymbol{z}\left((x,y,z,y_{j}+z')\right)$$

fre avaigue queatrill, a con

$$=\frac{2^{\frac{1}{2}}\prod_{i=1}^{n}\frac{2^{\frac{1}{2}}\prod_{i=1}^{n}\frac{2^{\frac{1}{2}}}{2^{\frac{1}{2}}}}{\prod_{i=1}^{n}\frac{2^{\frac{1}{2}}\prod_{i=1}^{n}\frac{2^{\frac{1}{2}}}{2^{\frac{1}{2}}}}$$

$$\begin{bmatrix} -40 \times \frac{30}{10} 4.60 + \frac{35}{50} + 30 \times 2 \\ -\frac{39}{30} + \frac{35}{30} 1.2 \end{bmatrix}$$

Ass.[6]

Ters, charge name $\times 20$ and $\frac{a}{6} = \frac{3}{4}$

SE Hara Livergaj cha

$$= \begin{pmatrix} \hat{A}_{i,j,j} & \hat{A}_{i,j} \end{pmatrix}$$
 with $\hat{A}_{i,j}$ and $\hat{A}_{i,j}$ in the second $\hat{A}_{i,j}$

$$\Rightarrow \operatorname{Chyl}_{\operatorname{con}} : \operatorname{Chyl}_{\operatorname{con}} \frac{\operatorname{Chyl}_{\operatorname{ch}}(A, h) \operatorname{direc}}{\left(\frac{n}{2} + \frac{1}{4}\right)}$$

$$=\frac{\frac{2\pi}{2}}{\left(\frac{\pi}{2},\frac{1}{4}\right)}=0$$
 for in the let

8. Jurs. (a).

$$\exists \mathbf{s} \in [\mathbf{s}] \ \forall \mathbf{s} \in \{\mathbf{s} : \mathbf{s} \in \{\mathbf{s}\} \ | \ \mathbf{s} \in \{\mathbf{s}\} = \{\mathbf{s}\} = \{\mathbf{s}\}$$

officers on the expression
$$\frac{1}{2}$$
 , $\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$

 A_{10} process of $49964 \times 30 \times 16 + 605$ Televisioner.

Product of space _{and} difference of special difference of the n diligno do pilitare

As produce or table,
$$z_1^2 = \frac{3\pi \sigma}{2000 \operatorname{space}_2} \frac{\sin \sigma}{2}$$
 . 15, where σ

$$80.7 \times \frac{2}{3} \cdot .0400 \cdot g$$

Ons. isi

Let the sluper space $z > c_1 c_2$.

Singuistic parameters are a same in both the causes

$$\frac{|S_{ij}|}{|S_{ij}|} \frac{|S_{ij}|}{|S_{ij}|} \rightarrow S_{ij} \cdot (\frac{1}{2} + \frac{1}{2} $

$$= -9 \times 6 \times (9 - 5) \times \frac{20}{2}$$

$$= -248 + 2772 + 20$$

$$z = 25 \sin \theta$$
 is

 $\{0, || A \in \{1, 2\}\}$

$$r = 0.5919 (p_1, p_2) = \frac{p_1 \cdot p_2}{p_1} = \frac{49 \cdot 98}{12}$$

=
$$\frac{1}{2}$$
l va = 20 m and

11 Aga, (b)

Figure 1. Figure 1. If
$$x = 0.01$$
 m, $x = 0.01$ m, $x = 0$

$$-1 = s_1 + s_2 + 90 = 60 = 10.3 \text{ with } -10.5 \text{ with } \frac{5}{100} \text{ m/s}$$

$$\label{eq:final_problem} 1.1 - 1.5 \cos(4\pi i L) = \frac{36 - 34}{20} = \frac{200 \times \frac{3}{12}}{200 \times \frac{3}{12}}$$

$$=\frac{32.90\times 5}{30\times 5}\sim 300\times_{9.5}$$

¹⁵ A(8, (c))

udi Nemedia a aashir ah ee yiri waa

... The deviational shift is
$$-\frac{2\sqrt{1+4}A}{3\sqrt{1+2}A}$$
.

$$(y-1)_{k \in \mathbb{N}} \frac{\mathrm{diff}_{k} = (y)}{|x| \leq k}$$

$$-\alpha r = \mu = -\frac{27 \zeta}{2 \sqrt{3 - \frac{3}{2}}} G(\tilde{\chi})$$

$$= \frac{270}{28.13} + \frac{9}{8} \sin (37 - 77 + 1.77).$$

 $(9.67 \pm 0.00 \pm 0.00 \pm 0.00) \times (9.6$

$$= \left(200 - \frac{3}{8}\right) \cdot \left(\frac{200}{3}\right) \ln k_0 \epsilon_0$$

िश्राचा ou coveres a liveau at Mis १६ सुर ।

$$=\frac{1}{4}\operatorname{Id} \times \frac{500}{9}\operatorname{m}^{-1} + 400\operatorname{h}^{-1}$$

$$a_{\rm c} > 20$$
 (for different and $a_{\rm c} = 100$ M

M. Are jair

épocidionava lesis i liav

$$\left| \left\{ \frac{L_1 + L_2}{2} \right\} \left(\frac{1}{12} \right) + \left(\frac{3}{2} \right) + \left(\frac{3}{2} \right) + \frac{110}{2} \left(\frac{21}{27}, \frac{3}{27} \right) \right|$$

u Administra

(post asise silve gail

$$\left(\frac{-|\tau|}{2} \frac{1}{2} \left| z \right| \frac{|I_1|}{|I_2|} \right)$$

$$= \left(\frac{(80-1)\sqrt{3}}{2}\right) \left(\frac{83-3}{60}\right) + (8.500635).$$

15. ör sil (d).

The hold $7 \wedge 5$, $5 \times 5 \wedge 4$, -16 hold

Thurs are a treatment of a

$$= \left(\frac{n + 2s_1}{n + 2s_1}\right) \cdot r_1 + \left(\frac{sm - 2s_2 + 1}{2s_1 + 2s_2}\right) r_2 \cdot$$

$$=2$$
 model in a set of ϵ with

ns Ang (b)

Debutasiya wasa Miratisi _{da}g Terg

$$= \left| \frac{1}{2} \frac{(n-4) \left(\frac{n-2}{2} \right)}{n} \right| \left| \frac{n}{2} \right|$$

$$= 2 \sum_{i=1}^{n} \frac{(i, i+1)^{n}}{(i, i)^{n}} \left[k^{(n)} + (i, i) \right] (n)$$

11 A & (b)

Latitores i les sueux Ly signant

Thus
$$\frac{2 \times 0.2 \times 0}{6 x + x} = 78$$
.

$$\label{eq:continuous} \mathcal{L} = -2.5 \times \frac{94 \times 97}{72} \times -49.77 \times 944$$

16 Ar 5. (a)

Sannada evalegit izirin. bes

$$= \left(1 - \frac{1}{2}\right) \ln \tan \frac{3}{2} \sin x$$

Distance descend in (), $= \left(\frac{3}{5} \times \frac{355}{5}\right) \cdot (1)$

- n Secodof namer #stirem

13. Ans. (a).

Speed of a of instrument 92 arrests å mertekon − 1931 (89 ± 6 jæ.

Sacra di na ruoversi 192 km in Sitri Budger sinne second men

-1.65 = 3.006 (ap. 36)

 $3311. \pm 32 \cdot 31 \odot 1:2$

20. Ans. (a):

Distance a ready code of $=\frac{3}{4} \le (3 + 9) \text{km}$

Time specific $\frac{2}{5} \times 15$ at ≈ 30 min

Fisier de leit ≅ tas 1/4 am − 3 km Time 129 * (45) * 800015 * 15 % [a]

|x| . Here the server $x = \frac{0}{2\pi \hbar c^2} \log k r \ln r$

44 2 3161

21. A/16. (a):

Let the spaces of the inth to keyling $\epsilon_{\rm B} \gamma$ The it, relative access $\mathbf{i}(\mathbf{r} + 8) \log n$

$$-(x+3) \times \frac{5}{35}$$
 (789)

- $z = (z + 5) \times \frac{5}{26} \times 6 = 110$
- $z_{ij} = 3 p_{ij} z_{ij} z_{ij}$ for its later $\beta(\phi | z_{ij} z_{ij}) \gamma$

はには記

Boats & Steeage of

Problem Evertueos (

I. Tile Med 391 swittinde offaan la. 6 kg progre មានមានជាការការ៉ា kmon, naapeed ja ejik egitana.

ម៉ែន 4 - សម៉ា នៃ នៅជាប

12) Sandr — (c) 2,5 and

2. PARANCHUMS 15 km lipstreemigrafi 21 km domining in largery specification and the spread round object, i.e.,

int the girls

(b) Its krype

to Eurati

- (4) 12 q 3 ;
- Sill Pala 61 gues / Lindupa zamini 62 i ji guloba dirho spect of the street its 5 virgs, from the spects of too boal in all I water to

 $(23.923\,\mathrm{meV}) = -1.001\,\mathrm{Street}$

Old Tollandari

(30) 21 shahr

 $C_{\rm s}$ is much only to so $g(\frac{1}{2})$ weight in clip, which has the ball

hat there in the Unique Company may be excepted an ★ July deen the same figiging in no year fig. speed of his outlook si

 (21.0^{+1}_{-1}) or $3x = -10.02^{+1}_{-2}$ or 3x

 $100^{-2}\frac{2}{3}\ln(4)$ (a) (a) 14.6ma.

 $\mathbf{0}_{1} \in \mathbb{N}$ we define a contribution of $\mathbf{1}_{1}$ and $\mathbf{1}_{2}$ beam larger sueet, of the site art is 5 years in the turn taken in . លើមាន នាំនោះ ទេ២ នៅ និធី មានប្រើប្រក្សារៀង ក្រោត្តការ ខែក

(b) 8 beyon.

jel Samus

10 nours.

(a) 26 keep

- 8 Albert 4 Report Dr. 250 ing ditang propinsi (the \hat{A} to both S and armography, z_2 , z_3 , z_4 notifies in this value by Miphy strength, $g \geq \mu_{\rm MB} g$ and the speed of the local in the respect (\$ 1.85 gain) wilatife the distance between Alagra gy-
 - [1] **4**116

Call Blacker

30 Jan

-73: ≨km

 Specific Commonstanting versions of Personal Lemma 10 files at earlier term $g(y) \propto g_{A(1)/A(2)}$ action and thick will under medinal kits are interest. rout, The Inio 1000 inches porting is:

- (c) 16 h (dry)
- (b) Ribous
- 101 (20 no. 1 n)
- idi 24 Loursi
- B. Alfali Oction pace Alby (formal among an pr bouts. Hollings that I be switched 4 km 58 hijler steam in the summittee has some greins, the succession. The rund sift me shekre isi
 - (6) 11-001 r.
- (c) 1.8 km/h
- (1) しつKT作品
- (4): 1.5 cm/m
- $\theta_{\rm s}$. A tilear controvalence ϕ enters (fig.), consequences

is support in the $\frac{1}{4}$ in these distances in

 $T rac{3}{4}$ minutes the species of the matrices where s_{ij}

- (6) Alegain.
- (a) B of C
- (c) 4 km/m
- id: Slaten
- 100 A 약하 Garmow Sikmon to still kg.g 그는 전 255이다. auturgsar Ekroph i täbes inn komingresta nvolga a stines and back. This for each same at
 - (a) 0 1
- (F) 1 5 Line
- $\hat{\mathbf{p}}(\mathbf{r}) = \mathbf{e}_{\mathbf{r}}$
- (v. 3 sm

םכיכם

Salui one

1. funs. (a)

Special train, water .. $\frac{1}{s}$ (6 = 2) kmph

Are (a)

 $\text{PAGE approximation } \left(\frac{\log n}{2} | \operatorname{kindom} \in \mathbb{F}[\log \mu] \right)$

For a covariation $\eta = \frac{(-1)^{n-1}}{(-1)^n} x_n \log n + 1$ where

all Rooms that year in July 19 mon ser ench.

3. Ans. (a):

Figure 3 detector is $\left(\frac{7}{42} \times 60\right) \cdot \eta \text{ pm} = 10 \text{ km/pm}$

Basen al sucernia e knob Los operations of logist Largery for $^{f k}$ 6n speed նրերություն $\chi = \chi_{f k}$ k $_{f k}$ $\chi_{f k}$

... 9-9-10 (5 9-16 Urph)

4 Aug. (5)

La sicco upiscea piccia cost

Than scoop downships he so any h

this speed in all twister at $\frac{1}{2}(3x + y) \log y$

- $\therefore 2y = \frac{29}{3} = --\frac{54}{5}$
- $\lambda = 8.386$ business $-\frac{\lambda_{\rm s}}{2} \sin m_{\rm p}$

Sports (Leaniscean - 14 graph)

a. Ypooolof amaaan ay

$$=\frac{e^{\alpha}}{2\pi}A=\frac{e^{\alpha}N}{3\beta}\text{ kpcp}$$

- $= \frac{4}{4} k \pi t m + (\frac{2}{4} k \epsilon q)^2$
- n. Ans (a)

Stocket flowing rearming (10 a 5) graph.

10 km Arc

Timotokon fragseyr 20 kinn oga galega a

$$-\left(\frac{91}{16}\right)_{MR} = 5_{MR}.$$

ii. Are. (c)

est from distancia i between waren Hilbertoka.

 $(0.5\% Id) \approx (8.5\% I) + 6.6\% g_{11}$

Specifical representation of a

- 2570116 AB 4.8 65
- 7 Ans (6):

hpeca apadrétan e vicilian pa

մրետուսատորություն է գորթո

- a = 0ta un o Takon $= \frac{1}{4} \frac{166}{24} + \frac{107}{2000} \frac{1}{1000} \frac{1}{1000}$ (25.10) [8]
- k. Ano (e)

by FDCs with inductor 4 , or d_{CC} stream to s ingra-

Inty is passed that is reported $\left\lfloor \frac{2n}{n} + 1 \right\rfloor$, appear

 $\operatorname{auchter} v = \frac{(13)^n}{1200} \operatorname{single} v$

$$\dots = \frac{48}{15(8)} + \frac{26}{13(8)} = 14 \text{ for } a = \frac{1}{2}$$

ti. Socoo duktottaa $-2 \log 4 \pi$ ኢን၀30 upanez no Damen

$$e^{2\pi i \phi} = 3\pi e^{2\pi i \phi} = \frac{1}{8} (8 - 6) \ln (3\pi)$$

 $e^{-1} = 7 e^{2\pi}$

9 Ant (d)

)) we upstrain
$$=\frac{\partial g}{\partial x_i}\frac{g}{g_i^2}\exp[ig_i(x_i)g_i]$$

Speed to experience
$$= \left(\frac{5}{4} \times \frac{2}{5}, -80\right) \sin p \cdot$$

= $\frac{1}{5} \times \text{not}$

Section in the chiral $\frac{1}{2}(\mathbf{8}-\mathbf{4})$ which

և 8 հղարդ

0 Ars. (a) Special Cavasaean Life Tuknyan Tawaga ≨росс врстаот) и (5 -11kg/m = 4 кm/г). e. Pronomor distance Seigram

$$= 40, \frac{2}{3} 4 \frac{2}{4} - \frac{75}{30} (m, 2, m_2 + 6) (m_2 - 6).$$

ം introduced obstance ചി! എ.

Froblemann Transs



Practice Exercise:

- o byżnie mowing zewiącego o 1,00 km thi ili ję. sight of the first lise 150 metros, making will p trobacinos a rellega parácim 195 m 34159
 - 67, 1643

(B) Assarca

10) 10 kg : 1

- Title In Sec.
- 2 Album (000 réan), situat nuas de ampai biblique est no making mine wild congression by Lysie is
 - (4) 700 (

ubu dilina

a fSam

::m: 300 p

- នីកា Altan Astrology respecting ស៊ីកា បន្ទាប់ interests 1 in rule of seconds. The speed of the frequiin militis
 - (S) (E)

137, 90

2::- 4

- 60. 强
- A = A then begons post a street in to seconds and aeletrom (00 m king in 25 septembrith singth is
 - to: 200 r

This submi

hat 51 m

- По Павласоции в
- Illia ten i l'On l'application à regulat pote m New Conductors in climate to easily trip groups and begy dadoni dan argist
 - train is some

∴bi 4 see

101 5 34:

- (01.03.403
- 8. Figure 50 Milory nowns at a speed of 🖰 1999 жүн кериликалтары а на күрүчү тү istoral essessit upperant dimentili (Tresperant pres . 15 O St 10
 - facilities.

 $p(j) = 4 \frac{p_j}{p_j} \log p_j \qquad \qquad p(j) = 2 \frac{p_j}{p_j} \log p_j$

- Two parts 200 m and factor long rear making on on much rolls at the rate of 40 kmol land. 部 (190 thespect bolton) if from high time with 肝臓病 0.028 cach oldes, if they are running in the $s_{\rm S,TS}$ diestor?
 - SECTION AND AREA
- (c) 139 sec.
- (7) 132 eeu
- 10) 200366
- 9. For her DS mark tith long to colors opicas to begin globalatins rate (190 unchand CARDA dilekti42 septemberahan lenging (dayyan gi yr Foreschec⊁ omay fal
 - (<u>2</u>) 10 tab
- 50 175545
- (4) (Juliona
- និកា និងទៅក្រៅបញ្ជាជាស្ថិតនទទួន ១០ ខ្លាំក្រហាកក្នុងខ្លែង ប្រាជា in the of enter copessions are not the grain by S scopius Tie speat si incison is
 - ы: 86 друг
- CONTRACTOR OF STREET
- (a) (i.4 amer) (b) 72 to; g r
- rū. A hein tāt ni kaspi kasing mie gyvad miet ja gar present for 112 in long comagnity, loopeej,4 amalke in 8 states is the speed of galaceater. . 5.1 is
 - (នា ១៦ ៣៩៦
- (t. 24 mg)
- (J) Et app i
- Alternative of

- 10° Annual States they with 120 suppression anothly $\pi_{2}(n) \otimes \pi_{2}(n)$ in the control region in 2 with $g_{2}(n)$ dittle lengths of dominate kiking (title 116 migra) க்கியம் pocko gotinik தக்குந்தது நிரிவுற்றது.
 - on Hilberton
- 60-127 kmpc
- or Pathyda
- 60 120 kmp i
- $12.\,\mathrm{Å}$, all rieverta can two newspass who are we kind in qualified mellion has contracted in a point, mind-Million 2 Kmph at 1 filighthrand passes the complicity in 19 as diffused on discussionary by The $a(\gamma) \cap (H) \neq 0$ since
 - (8) 72 g
- Datable on
- n: 50 m
- The every
- 13. For flatters 4 and BH \pm 35 (km ppg), and mixing t 10,000 All termination with a non-conditional s 10×10^{10} at 20 km characters are starts $_{\rm COR}$. $A \cap B \cap H$. Such that $B \cap A$ is the subset of Päikindi. Australinin eidansyineetä
 - ja £ 2.0
- (3) CAR
- Art of the co
- 19: 10:00 30 4 4
- 4 ± 67 , after a running appropriate all $a \approx 3.880
 m g$ 64 an all en with paperts at 54 amont lengt a \$4 kggg. te specifically the real challements had paging a 190 pg graft. hey group each other in (7.84) , (48.1) and (48.1) of hardmarkmas si
 - (1) 4: Y
- HA 200 Y
- (5) 286 Y
- 10 195. 11
- 15. A traki i predding for 48 ymphile iu playa y grougori er office from having half telenger and traveling in operation recitive a 12 km/l of 12 spectrators. cise case to a large claffer in pri46 sections. That iong and be a substance.
 - id: 580)
- tot bödin.
- THE STORY
- 10. Activity of Integral 1304, Takes 10 septembrish says. destinabilities their 100 millions borning from the 30 is see the office. If the separation of a residual of by $X \in \mathbb{R}^d$, the shopp of the soremula $\mathbb{R}_{0, \mathbb{R}^d}$
 - ju isturnich
- ili 51 kapa
- [7] HER 1794
- 2. /2 kms/n
- M/Λ not notice that an interface very altered to deposit $k_{\rm B}$ ong ilisatongsom besta rik half finst dit noemdge. Bhanas clears in biogeon Artist the the sweet Charles and a
 - ide sanktaria
- មីលាក់ទីការតិកា
- Car Office Con-
- ស៊ីលេខការ។

Sominors

1. Ars (b)

$$d(\text{Peed}) = \left(130 \times \frac{3}{15}\right) \log(\log n) + \frac{110}{15} \log \log n$$

Fatelius saucenoverus

$$s = \text{Teourise}(\text{int}\left(2f)) \times \frac{S_0}{(1.5)} \right) \text{sub}$$

 $= \frac{1}{2} + 50000 \, 3.55$

Ane. (c)

$$N(\log_2 n) = \frac{(n+1)^{n+1}}{(n+1)^n} \text{ or } \log_2 n = 200 + 200^n$$

HITCH ACTOR

$$\frac{T(0,0)}{20} = -\Theta(1+\epsilon)J(0) = -1000.$$

- 3. And hit

 $Validiska policovered + i \mathbb{Z}[(0.14)](\eta_0)$ - 2000 pm

Time taken – 1 min. 12 sept = $\chi_{\rm cont}$

$$v = 5ceec + \left(\frac{100c^2}{c_0}\right)m\lambda_{\Phi_0}$$

$$= \left(\frac{1200}{72} \times \frac{8}{5} \right) \ln A + -90 \text{ agg}$$

4. 4m3 (c)

be the engP of trainbox notice and to nearby grand de la company de la comp

$$F_{t}(\phi_{1}) = \frac{1}{N} = \frac{1}{N} \left(- \sqrt{\gamma} \right) \left(- \frac{1}{N} \right)$$

$$\frac{\lambda(1-0)}{2\pi} = \frac{\lambda}{2} = -2\pi (1-2\delta) \frac{\lambda}{2} = 2\delta$$

5. Ans. (3)

$$S(m,\omega) = \left(\frac{\log_{10}}{9}\right) \ln S(\log \omega)$$

Tunch wunder bechanwey dette w

$$e^{-\frac{1}{2}(116+\epsilon)}(65) \times \frac{1}{1000} \log \epsilon$$

$$-\left(\frac{2^{n/r_{\rm ext}} \cdot \frac{r_{\rm ext}}{r_{\rm ext}}\right) \approx 7.5 \ \rm sum}$$

$\lambda = A_{AB}/\hbar p t$

Spine Soft indirectation to must

$$=(.35 - 5) + 3.00$$

ir SKL m¦saci

Time when to pass the man

$$m = \frac{(1.007)}{(1.007)} (0.000 + 1.0000)$$

7. Acc. (d)

Here we specifie (4.5) 495 and -95 and

$$\label{eq:continuous_problem} \begin{split} & \cdot \left(\tau_{i, \infty} \sum_{j=0}^{d-1} \gamma r_{i} (s_{i} c_{j}) + \left(\frac{\sigma(j)}{r_{i, j}} \right) \gamma \psi(s_{i} c_{j}) \right) \end{split}$$

Total distance cover m=0 on or frequent frame -4 and m

$$\cdot = 10 \text{min table} = \left(100 \times \frac{19}{26}\right) \text{soc} = 252 \text{ nec}.$$

6. Ann. (c)

 $\mathbb{R}_{2} \{ t_{2} | k_{2} \} = (80 + 42) \times 100 = 72 \text{ km/s}$

$$= \left(\frac{72 \times \frac{10}{18}}{18} \right) \text{ where } = 20 \text{ where}$$

(Strange coveraging crossing each off ϵ_1) (28 + 11); m = 240 m.

Hary-Interior =
$$\begin{pmatrix} 240 \\ 26 \end{pmatrix}$$
 sec = Tasec.

9. A(8. !s)

Reader of the training stive to med

$$= \left(\frac{100}{6} \times \frac{1}{5} \text{misser}\right) = \left(\frac{110}{5} \times \frac{10}{5}\right) \cdot \text{mean}$$

... 86 **հ**արի

Lotting beed of the ball balk with

Then its alive speed μ is τ 6) kinon.

$$x = 5 \pm 68$$
 occ = 80 supt.

ID. And (c)

Let θ is special orders become its a>c which is follows:

$$= .1) \quad .00 \cdot \left| \frac{n}{18} \right| \text{ meters.}$$

$$\sim \frac{(25) \times (7)}{(-16)} \text{ th/sec.}$$

Objects 50*ered = (103 + 112) = 720 ft

$$r = \frac{220}{(2.0 + m_0^2)} \cdot 0.0000000 = 0.000$$

 $= \left(\frac{-120}{1200}\right)$

$$(x - x + \infty)$$
 in y in

15. Ann. (b).

bilithe spess of tash & topy lamble.

Expect of Bivelative to
$$C \simeq (125 + \epsilon)$$

$$= \left[(120 + \chi) \times \frac{\delta}{8} \right] \rho / 8 \pi .$$

$$= \left[\frac{(9)(1-5)}{(6)}\right] f_{1}(9)^{2}$$

Missa had below of $-1\,0.014200(m_f-3000\pi)$

$$1 = \sqrt{\frac{300}{600 + 5 \, \text{k}^3}} = -900 + 30 \, \text{MeV}.$$

$$-320(600) - 600 - -3 - 111$$

12. Area (2).

23 n pn =
$$\left(2 \times \frac{5}{18}\right)$$
n 6ec

=
$$\frac{5}{3}$$
 independent of simple = $\frac{10}{3}$ independent

Lot the longth of the heimbournetness of lessence by yingsee.

Then
$$\frac{x}{(y - \frac{5}{9})} = 9 \sec \frac{y}{(y - \frac{50}{9})} = 15$$

..
$$3y = 5 + 5$$
 such 10 (3y = 15) = 9x

... Sign if
$$x = 0$$
 and $\theta 0$ $y = \delta y = 0.00$

. On adving we get z = 50.

... Longsh of the train is 60 m.

13. Ans. (5).

Suppose show meeted looks after in auto-

Distance creamed by Arrivations

 $\sim 200~\mathrm{km}$

Triglance covered by Sirrary 10 and re-

$$1...25 (v - 1000)$$

Kat, throughout platforcati

ч, ми, **А**ди (фу

Hole, we specify $\gamma(4+23)\log \gamma$

$$1 \left(\frac{1}{2} \left(10 + \frac{6}{14} \right) \text{messag} = \left(\frac{65}{5} \right) \text{messag}$$

set the Strull of the prior matching leepings.

Then,
$$9990 - 50 \times \frac{3}{95} = 15 \text{ or } 750 = 30$$

= 1890 or $a = 990 \text{ or } 6$

15 Ars (b)

of the length of first than the chartes Then, the weight or state in high $i_{\mathcal{S}}(\mathfrak{g}(2))$ inclines. $80 \times \text{ supposed} = (48 + 42) |k_1| |g|_1$

$$= \left(1.00 \times \frac{1}{10} \right) \text{ m/sec} + 2.7 \text{ m/sec}$$

$$1.1 - \left(\frac{x + \frac{x^2}{2}}{2\pi^2} + 32^x \text{ or } \frac{3x}{2} = 30.3.$$

y = 210.

 $\lambda = 0$ ongoing of that $(a_0) \sim 200$ yr. er the length of platforming years a

Speed of the fleshfraty
$$= \left(44 \times \frac{5}{10}\right) \text{rive}(c) = \frac{22}{5} \approx 6500.$$

$$\label{eq:condition} \begin{split} \omega &= (800 \odot y) \times \frac{3}{45} = 46 - \approx 800 \odot y \\ &= 1800 \times 100 $

16. Ags. (re)

Let the spect of second upon on a keeping $b \circ s_1 \forall e s : e_0 = (20) + \{1 \land m\} \}$

$$\sim (30-i) \times \frac{1}{10} \, m/sgc$$

$$(150 \pm 100) \times \frac{18}{90000} = 10$$

17 Aus. (b)

Longton is eige = 1000 mil. នាក្នុងស្រាស្រក – ២០០ ការ

Taz distance two exist electring their (Ige

in Heliakan – 190 sogongs

$$\Delta = \operatorname{stand}_{\mathrm{T}} \left(\frac{1500}{1500} \right) \operatorname{prions}_{\mathrm{C}}$$

$$=\frac{1}{2\pi} \times \frac{19}{2} \left[\operatorname{dispit} + \Phi(1) \operatorname{dispit} \right]$$

別付わり

Section

Algebra & Sel Theory



Surds, indices & Logaritions

LAWS OF INDICES

(i)
$$a^{-} \times a^{-} = a^{n+1}$$

Example:

$$= -e^{j} \otimes e^{j\beta} - 2^{j\gamma}$$

$$(s-d^2)/(h) = e^{i\frac{h}{h}}$$

$$(\gamma) = \frac{A^{2N}}{r^{n}} = r^{(1-\alpha)}$$

example:

$$\mathcal{G}_{i}^{s} = \frac{2^{s}}{2^{s}} = i^{2s} \stackrel{\text{\tiny i}}{=} i^{2s}$$

(d)
$$\frac{27}{25^2} - 95^3$$

$$(\mathbb{N} - (\mathbf{a}^m))^* = \mathbf{e}^{mn}$$

Example:

$$\{(y-(3)^2y-3)^{2+1}:\ \xi^{3}\}$$

$$501 - (3^{3})^{2} = 3^{3/9} = 2^{27}$$

$X_{J^{-1}}(2\times p)^{n}+e^{r}\times H^{r}$

Example:

$$(0.13 \times 5) \times 3^{3} \times 5^{3}$$

$$(iii) \quad (2 \times 3)^2 = 12 \times 2^2$$

$$\mathbb{E}_{\theta} \cdot \left(\frac{n}{n} \right)^{n} + \frac{n^{n}}{n^{n}}$$

Smarp et

$$|3| = {3 \choose 4}^2 + {3^2 \over 2^2} = {9 \over 8}$$

$$g:= \left(\frac{5}{5}\right)^{1} - \frac{92}{35} = \frac{925}{555}.$$

0.0 ± 1

том а мауча влукты (ре-

Ewina e:

$$(i,j): \mathbb{R}^2 \to \mathbb{R}^2$$

illering only filtered for

Heample

(i)
$$x = 0$$
 $y = 0$

$$\partial U = S^{(n)} = \frac{1}{S^{(n)}}$$

Example:

$$(j-4)^2 + \frac{1}{2} \cdot n_{3,3}$$

$$|f_{ij}^{(i)}| = n^{-1} + \frac{1}{12^{n}} + \frac{1}{12^{n}}$$

$$(0) \rightarrow \frac{1}{2} \cdot \frac{1}{4}$$

Example:
$$p(t) = \frac{1}{10^4}$$

Larve of Sittings

We write $\sqrt{g} \equiv g^{(*)}$ and it should be a sure of order W

$$(p_{n})\left(\left(2\pi\right) ^{m}+\left(\pi^{n}\right) ^{m}+g\right)$$

$$\cong \sqrt[4]{ab} = \sqrt{a} + \sqrt{b}$$

esamola:

$$(3) = \sqrt[3]{2} \times \sqrt[3]{2} = \sqrt[3]{2} + \sqrt[3]{2}.$$

$$\lambda_{\rm e}/\gamma_{\rm th}^{\rm in} = \frac{w_{\rm d}}{w_{\rm th}^{\rm in}}$$

Saarrole:

$$|\widetilde{\mathcal{H}}| = \frac{12}{34 \cdot 5} \rightarrow \frac{\sqrt{2}}{347 \cdot 5}$$

$$f(x) = \frac{\sqrt{x}}{\sqrt{33}} = \frac{80}{200}$$

$(4) \cdot \left(\sqrt{x} \right)^{\alpha} = \sqrt[\alpha]{a^{\alpha}}$

Example.

$$j_{ij} = \left\{ \tilde{\lambda}_i^{(j)} \right\}^T = \sqrt{2^{2r}} = 0.52$$

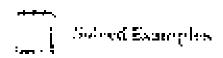
$$\left(\left(1 - \left(8 \overline{\Delta} \right) \right)^{2} + \sqrt{2} \Delta^{2} + \sqrt{6} \Delta^{2} \right)$$

$$\operatorname{dist} = \frac{1}{2} \sqrt{\frac{2}{\sqrt{2}}} = \frac{1}{2} \operatorname{dist} = \frac{1}{2} \operatorname{di$$

Example:

$$(0 - 2849 \cdot 1) = (2824 - 10)^{\frac{1}{2}}$$

$$10 - \frac{\sqrt{1/\sqrt{g}}}{2\sqrt{1/g}} = \frac{1}{2\sqrt{2/2}} = gg/12$$



Leading value of $\frac{(-88)}{(-98)}$ $\frac{38}{(-98)}$

$$\begin{aligned} & \text{Sol., } \left(\frac{3\mathcal{F}}{9^2 3} \right)^{\frac{1}{2} \frac{2}{6}} - \left(\frac{2^n}{3^n} \right)^{\frac{2^n}{2^n}} = \left(\frac{9}{9} \right)^{\frac{2^n}{2^n}} \\ & \cdot \left(\frac{2^n}{9} \right)^{\frac{2^n}{6}} - \left(\frac{9}{8} \right)^{\frac{1}{2}} - \frac{2^n}{6} \end{aligned}$$

9 | Solve 4/5 1 | g = 1

Solution
$$A^{(N)+2} \times S = \left[2^{n} \right]^{n-2} \times (2^{n}-1)$$

$$= 2^{(N)+2} = 2^{n} = (2^{n})^{n-2} \times (2^{n}-1)$$

$$= 2^{(N)+2} = 2^{n} = (2^{n})^{n-2} \times (2^{n}-1)$$

$$= 2^{(N)+2} = 2^{n} = (2^{n})^{n-2} \times (2^{n}-1)$$

3. Find the value of y if $\left(\frac{\pi}{2}\right)^{\frac{1}{2}+\frac{\pi}{2}} \left(\frac{1}{2}\right)^{\frac{1}{2}+\frac{\pi}{2}}$

Sink:
$$\left(\frac{a}{a} \right)^{2-a^2} = \left(\frac{a}{b} \right)^{-1}$$

$$= \left(\frac{a}{b} \right)^{2a-3} = \left(\frac{a}{b} \right)^{-3}$$

$$= b : \quad b = -a \cdot b$$

$$= 1a = b : \quad a = \frac{1}{a}$$

4. જોપેલમાં ક greater $\S_{2,0,0}$ ્રંગ

Sett.
$$2m = m^2$$
 group $2n = gn$. Note the LANV of 1.3.5 is 20, no factors pare two substrates the power by $2n$.

$$\left(4^{\frac{N}{N}}\right)^{N}>n^{N}=1004$$

$$\int_{0}^{1} 5^{\frac{1}{2}} \frac{d^{2}X^{1}}{dx^{2}} = (5^{2} - 15)^{2}$$

Form $\sqrt[4]{4} \approx 80$.

5. Simplify,
$$\frac{\partial \hat{h}}{\partial x} = \frac{\partial \hat{h}}{\partial x}$$

$$\operatorname{Sol}: \frac{\sqrt{3}+\sqrt{5}}{\sqrt{5}} \xrightarrow{\operatorname{obs}} = \frac{\sqrt{3}}{\sqrt{3}} \xrightarrow{\operatorname{obs}} \frac{\sqrt{3}}{\sqrt{3}}$$

CALITOR in Dietaus Sudonomina ist zwiczonjugań ist Californi yłyń

$$\left(\frac{\left[\sqrt{3} + \sqrt{2}\right]}{\left[\sqrt{3}\right]^{3} + \left(\sqrt{3}\right)^{3}} = \frac{9 + 2}{3} = \frac{9 + 2}{3} = \frac{13 + 8}{3} = 13 \cdot 2 \cdot 24 \times 3$$

8. Simplify
$$\frac{\sqrt{a^2} \sqrt{1}}{\sqrt{a^2+1}} = \frac{\sqrt{a^2+1}}{\sqrt{a^2+1}}$$

Sol

$$\frac{\sqrt{\pi'-1} + \sqrt{\pi^2-1}}{\sqrt{\pi'+1} + \sqrt{\pi^2-1}} = \frac{\sqrt{\pi'-1} + \sqrt{\pi^2-1}}{\sqrt{\pi^2-1} + \sqrt{\pi^2-1}} = \frac{1}{\sqrt{\pi^2-1}}$$

$$\frac{d^{2}}{dt} = \frac{1 + 2\left[\sqrt{2^{2} - 1}\right]\left[\sqrt{8^{2} - 1}\right]}{2\left[-1 + (2^{2} - 1)\right]} = \frac{1}{12}$$

$$=\frac{(8^3+2\sqrt{5^4+1})}{2}+4^4+\sqrt{9^4}\ .$$

Z=MhOn is greater $g T \otimes \chi_0^2$

$$S_0 = \frac{\sqrt{2}}{2} = \frac{1}{4^{\frac{1}{2}}} \log \log \frac{\sqrt{2}}{2} = \frac{1}{2}.$$

THE TO PARE OF DESIGNATION OF LONG (MICH.). Books

$$\begin{bmatrix} e^{\frac{1}{2}} & \cdots & e^{\frac{1}{2}} & 296 \\ \vdots & \vdots & \vdots \\ e^{\frac{1}{2}} \end{bmatrix}^{12} = e^{\frac{1}{2}} = 125$$

$$\mathsf{lond}(1,3/4) \sim 3/5 \times$$

as $-22^{2n-n} + \frac{1}{2^{n-1}}$ then the write of μ

$$\begin{aligned} & \frac{1}{\left(2^{\frac{1}{2}}\right)^{2-\frac{1}{2}}} = \frac{1}{2^{\frac{1}{2}} \cdot 6} \\ & = 2^{\frac{1}{2} \cdot 3} = 2^{\frac{1}{2} \cdot 3 \cdot 4} \quad \left[1 - \frac{1}{2^{\frac{1}{2}}} = 2^{\frac{1}{2}} \cdot \frac{1}{2^{\frac{1}{2}}} \right] \\ & = 6\alpha = 10, \quad \alpha = 1 \end{aligned}$$

$$R_{\rm c}(\theta, 2r) = G^{-1} + \exp\left(\frac{1}{r} x + \frac{1}{r} + \frac{1}{r}\right) \times \exp(n\theta \cos^2\theta)$$

$$(\mathbf{w}_{i}, \boldsymbol{w}_{i}, \boldsymbol{p}_{i}, \boldsymbol{p}_{i}, \boldsymbol{p}_{i}, \boldsymbol{p}_{i}, \boldsymbol{q}_{i}, \boldsymbol{q}_{i}, \boldsymbol{q}_{i})$$

We know that $\lambda \times 0 = 0$ then gives

$$\frac{1}{r^{1/2}} \frac{1}{2^{1/2}} \frac{1}{r^{1/2}} $

$$=\frac{1}{\lambda} \cdot \frac{1}{\gamma} \cdot \frac{1}{\gamma} + \cdot 1$$

 $13.4 \mathrm{manga}/\sqrt{2}/\sqrt{3} \mathrm{Jac}/\sqrt{3} \mathrm{Jac}$ as conding order

 Σ is take the position point so the m LD q q EJ. A. metric, 12

$$\left[\frac{2^{3}}{2^{3}} + 2^{3} + 3^{4} - 3^{4} \right]$$

$$\left[\frac{1}{2^{3}} \frac{3^{3}}{2^{3}} + 4^{4} + 3^{4} \right]$$

$$\left(\left(\left(\frac{N}{2} \right) \right)^{\frac{1}{2}} + \left(\left(\left(\frac{N}{2} \right) \right) \right)^{\frac{1}{2}}$$

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Legalithms

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for unitarity is perfect ago from previously periods. where α . It is written as log to $\alpha_{\rm a}$

Suistry

 $x^2 = 0$ is similarly, $\lambda_{\rm cut} \hat{x} = 0$

$$4^{-2} + \frac{1}{\epsilon^2} + \frac{1}{18} j_2(\omega_1), g_2^2$$

$$20.10q_{\frac{1}{10}}^{-1} = 3$$

$$10^{2} - 1000 \rightarrow \log_{10} 10000 - 0$$

$$3^{2} = 245 \Rightarrow \log_{2} 225 = 5$$

Properties of Yoganainas

Example 1

$$|\mathcal{Q}_{\mathcal{O}_{\mathcal{O}}}|^{2} \tilde{S}_{i} = |\mathcal{Q}_{\mathcal{O}_{\mathcal{O}}}|^{2} + |\mathcal{Q}_{\mathcal{O}_{\mathcal{O}_{\mathcal{O}}}}|^{2}$$

$$(\mathcal{O}_{1}(1,\mathbf{g}_{k_{0}}(n)) + \operatorname{cg}_{k_{0}}(n_{k_{0}} + \omega_{k_{0}}))_{0}$$

Example 2.

$$\exp_{\mathbb{R}}\left[\frac{\tilde{g}}{g}\right] = \exp_{\mathbb{R}}(1, -\log g_g) +$$

$$(a) = \pi g_{\phi} \Big(m^{3/2} \ln \log_{10} n \Big)$$

Ежито е 9.,

$$\log_{10} 8.5 + \log_{10} 8^{\circ} = 4.00 \text{ m}$$

$$(d) \cdot (n_{\Delta, \pi}(n) + \sqrt{\alpha g_{\alpha}(n)})$$

Hagynole 4.

$$\log_{10}(9) = \frac{1}{3}\log_{10} 8$$

(2)
$$\log_4 x = \lim_{z \to 0} (\log_2 z) \log x$$

$$(\phi) \cdot \log_{\alpha} y = \frac{\log_{\alpha} b}{\cos a}$$

Fletorished at a great state purifier) Exemple ::.

$$m_{p+1} = \frac{y_{\pm k}}{\cos x^2}$$

$$L(\mu_{1})\approx \frac{\log_{10} 19}{\log_{10} 2}$$

$$(t) = \log_{\mathbb{R}} \times \ldots \frac{\mathbb{Z}^{N+4}}{\log_{\mathbb{R}^{N}}} = \log_{\mathbb{R}^{N}}$$

Example 6.

$$(xy_{n}):=\frac{s}{\log_{n} \gamma}$$

$$\operatorname{Lip}_{S} := \frac{1}{\operatorname{Cop}_{S} \circ}$$

$$(g) \cdot \log_2 h \approx \log_2 a + \frac{\log_2 a}{\log_2 a} \approx \frac{\log_2 a}{\log_2 b} \approx 1$$

Serark:

- 16). When hose tains? many great it is taken as its
- 29 Logs, forms to the passenuls known as common logger taxes.
- (3) Ing. c =

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(a migration year phrane) at

$$f(1-y)^{2h_{1}}=y$$

$$2^{3}92^{7} = 7$$

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Solved Examples

1. Fortid silegar tim of settlementa of

Solding,
$$(2 \times \omega_2) 2^{\nu}$$

$$= 6 \log_2 \mathcal{O} + 5 \times 1 + 5$$

 $\mathcal{Z}_{\rm c}$, from this case at 2.784°

Go
$$\mathcal{P}^{(n),h} = \mathcal{G}$$

3. Tirdine value of $e^{i - 2 g_{i,2}}$

$$por: R_{\chi_1, \log 2g_{\chi}} = 2g^{-1} \log_{\chi_2^{1/2}}$$

4 . First the value of $\Im^{24(Q)9}$

Sala
$$f^{2-\log n} = \frac{n^2}{2^{\log n}} = \frac{3}{2}$$

5. Find revision 1 എൂ³ുപ്പം

Senting
$$e^{it}$$
 alogous 3 $\exp it$ sing $t = 3$.

B. If $\delta g_{\text{rig}} \mathbf{z} = \frac{1}{2}$, from \mathbf{z}

$$\mathrm{Spl.} \cdot \mathrm{Cp}_{19} : I = \frac{1}{2}$$

 $(7.1) \log_{10} \hat{D} = \frac{1}{8} \cos \phi$, as well as $\phi' \in$

Sold
$$\log_{k} \log - \frac{1}{n}$$

$$\pm\log_{L}\gamma^{C} = \frac{1}{L}$$

 $(0,-0)\log_2(x) \log_2(x+\log_2(x+x))$ the set the set is given

Solutions of the
$$\phi_{ij}$$
 and ϕ_{ij}

$$+\frac{1}{8}\log_2 n + \frac{1}{8}\log_2 n + \log_2 n = 0$$

$$-\frac{1}{2}\log_2 x = -1$$

$$=\frac{1}{2}(24)(x+1)$$

$$-\cos_{1}x = 8$$

$$= 1.4 \cdot 10^{10} = 120$$

9. So so $(\zeta_1 \gamma + 1)_{n=1}^{\infty} A = \beta$

Sold signality, it along
$$\frac{\pi}{4}$$
 a p

$$\log \sqrt{1-2}$$

$$2^{n} - \frac{n}{n} \cos n + \eta = 3^{n} \times 2 + 360$$

13. The third will be of $\log \frac{x^2}{2^2} + \log \frac{y^2}{x^2} = \log \frac{x}{2^2}$

36.:
$$\exp \frac{x^2}{x^2} + \exp \frac{x^2}{x^2} + \exp \frac{x^2}{x^2}$$

$$= \log \frac{\pi}{2} + \frac{y^2}{2} + \frac{y^2}{2}$$

$$=\exp(\frac{\sqrt{\sqrt{2}}}{\sqrt{2}\sqrt{2}\sqrt{2}}+\exp(1+\varphi)$$

11. From the local $\left(\frac{1}{342}\right)$

$$80 : m_2 \left(\frac{1}{3} \right) - \log_2 \frac{1}{2}$$

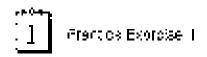
$$... ||\chi||_{F^{n-1}} = - \Re \log_{F} \wedge \ldots - g$$

- $\{2\}$ -where $-\log_{100}(0.5)$
 - Sch. $\log_{10}(1.00)^{-1} = 1\log_{10}(1.00 = 1)$
- 13. The $j_{A_1} = 2\frac{1}{2}$, and the value of ϵ

Sold
$$|\log_{1/2} \chi = \frac{12}{2} - \epsilon \cdot \left(2\frac{\chi_2}{2}\right)^{\frac{2\chi_2}{\chi_2}}$$

 $= 2\frac{\chi_2^{(2/2)} \chi_2}{2} = 22 = 10$

Succes Indicas & Logarithms



- 1. The vertext [JJ]¹⁰ ဆ
 - (51.0)
- (i,j) = (i,j)
- $P = \left(\frac{1}{2\pi G}\right)^{-2G} + \left(\frac{1}{2\pi G}\right)^{-12g} = 9.$
 - $\hat{\mathbf{n}}(t) = \frac{3}{2} \qquad \qquad (5) = \frac{2}{2}$
 - $f(z) = \frac{1}{2} \qquad \qquad f(z) = \frac{1}{2}$
- . 3. Hig≱1..6, theethevale circu
- (p) 4.

- $|\hat{\phi}_{i}\rangle \simeq \frac{\partial^{2} \times e^{2} \times (y/T^{2})}{(z-z_{i})^{2}} = 0$, as negative

- (a) 0 (b) 3 (a) 8 (d) 8
- $5 = \frac{1}{2}(\sqrt{4})^2 \times 2^4 = 54 \times 5\sqrt{3} \pmod{6}$ soon on soon so

- $\hat{\theta} = \hat{\theta}(x, x)$ is another the remaining tensor and we set $\hat{\theta}$ $\frac{1}{2} \left(\frac{1}{2} \frac$

$$2 = \left(\frac{1}{n^2}\right)^{(n+1)} \left(\frac{2^n}{n^n}\right)^{(n+n+1)} \left(\frac{2^n}{n^n}\right)^{(n+n+1)} = 0$$

- (d) y2 / (1) (d) 1
- 8. $\mathbb{R}^{2}(\mathbb{R}^{n+1} \otimes \mathbb{R}^{n+2} + \mathbb{R})$ than $\mathbb{R}^{2} \in \mathbb{R} \times \mathbb{R}^{2}$

- Since $f(z^{g_{n,n}}) = \frac{1}{g_{n,n}}$. The value of x is:
- 30 U
- $10 \cdot 10 \cdot \sqrt{5 + 36} \cdot 10, \text{ then } \epsilon \text{ is equal to}$

- $h(t) = h^{\gamma} + h^{\gamma} + h^{\gamma} \sin t \, h^{\gamma} \, \cos t \, t \, then \, v \, equals:$

 - (a) $\frac{57}{3 + 2}$ (b) $\frac{57}{20} \cdot z_1^2$
 - $\frac{|\langle z||}{|\mathcal{Z}Z-x|} = \frac{2\pi x}{(x-z)}$
- $t\mathcal{P}_{t} \cap cv(y^{\bullet},y)$ of any $z=z^{\bullet}$, then the value or observe.
 - (2)
- pri P

이디디디

(solations

- լ. ≜րե լայ
 - $\left(dS \right)^{2^{k}} = \left(g^{k^{*}} \right)^{k^{*}} = g^{\frac{k^{*}}{2^{k}} \frac{1}{k^{*}}} = g^{2^{k}} \quad , \; g^{2^{k}}$
 - $-1659_{p,1} + \frac{1}{2}\frac{1}{2}\frac{1}{2} + 252 + \frac{1}{2}\frac{1}{2}$
- 2. Apr. (c):
 - (216) 33 (4 mg)

$$= \left(2\left(2\right)^{\frac{N}{N}} + \left(2\left(2\right)^{\frac{N}{N}} + \left(1\right)^{\frac{N}{N}} + \left(2\right)^{\frac{N}{N}}\right) + \left(2\right)^{\frac{N}{N}}$$

$$\left(e^{\frac{2}{3} (\sqrt{3})} + e^{\frac{1}{3} (2 \sqrt{3})} + e^{\frac{1}{3} (2 \sqrt{3})} \right) = e^{\frac{1}{3} (2 \sqrt{3})} + \frac{4}{6} (2 \sqrt{3}) + \frac{4}{6} (2$$

3. Ans. (a).

$$\frac{d^2 d}{dt^2} = \mathcal{G} = -2 (\mathcal{G}^2)^{\frac{1}{2} \frac{1}{2}} + (2 + \mathcal{G}^2)$$

$$|\ldots||\frac{1}{2}\cdot 6||\rho(t)|=21.$$

4 Ans (6)

$$\frac{90 \times 6^{2} \times (2/6^{2})}{9 \times (86)^{2}} = 29.$$

$$\implies \frac{2^{2N} \cdot \left(2^{N} \times 2^{N} \right)^{2}}{2 \cdot \left(2^{N} \right)^{2}} = 0.2.$$

$$\psi = \frac{2^{n_1} \times 2^{n_2} \times 2^{n_2}}{2^{n_2} \times 2^{n_2}} \times 2^{n_2}$$

$$1 - 3^{k-2} \cdot 1 + c \times 3 \cdot 3 \times 3 \cdot 5$$

$$\mathcal{O}_{k}=2^{k-1/2}=2^{2k}$$

$$\mathbf{U} = Z_1 = 0$$
 or $A = 3$.

5 Ans. (d)

$$\left(\sqrt{2}\right)^{2} \leq 2^{k} + \dots \leq 3 \sqrt{s}$$

$$= \left[\left(3^{k_1} \right)^k \cup \left(3^k \right)^k \right] = 3^{\frac{k_1}{2}} \cdot 3^{k_1} \cdot 3^{k_2}$$

$$\frac{100}{100} \frac{100}{100} \frac{10$$

or,
$$3^{\frac{3}{3}\frac{3}{3}} = 3^{\frac{3}{3}\frac{3}{3}}$$
 So, $\alpha + \frac{3}{3} = \frac{13}{3}$

$$g = G(\pi) \left(\frac{13}{2} + \frac{9}{11} \right) = 9$$

6. Ans. (d)

$$\sqrt{x}\cdot y\sqrt{y}\cdot \tilde{\lambda}\sqrt{x^2x}$$

$$= \frac{\sqrt{2}}{\sqrt{2}} \frac{1}{\sqrt{2}} \times \frac{1}{\sqrt{2}} = \frac{\sqrt{2}}{\sqrt{2}} \times \frac{\sqrt{2}}{\sqrt{2}} \times \frac{\sqrt{2}}{\sqrt{2}} = 1$$

 T_{ij} Area (a)

$$= e^{(1+\epsilon)^2((n+\alpha)+\beta)} e^{(n+\alpha)^2(n+\alpha+\beta)} e^{(n+\beta)^2(n+\beta+\beta)}$$

$$= \frac{1}{N} \frac{|L^{2} - J^{2}|^{\frac{1}{2}} \left(-\frac{1}{N} \frac{2}{N} H^{1/2} \left(\frac{1}{N} \right) \right) - \frac{1}{N} \frac{1}{N} + \frac{1}{N} \frac{1}{N} \left(\frac{1}{N} \frac{1}{N} \right) + \frac{1}{N} \frac{1}{N} \frac{1}{N} + \frac{1}{N} \frac{1}{N} \frac{1}{N} \frac{1}{N} + \frac{1}{N} \frac$$

$$-e^{2}e^{0}=1$$

9. Ann. (d)

$$=2^{n-1}(2^{n-1})\cdot x$$

$$= 2^{n+1} - 1 \cdot 2^{n}$$

$$\gamma = (1 + \beta) = 0 \text{ for } \alpha = \frac{1}{2}.$$

B. Ans. (b)

$$\Delta^{(n)} = \frac{1}{8^n} \qquad \Rightarrow \delta^{(n)} = \frac{1}{(2^n)^{1/2}}.$$

$$= 2^{2k+1} + \frac{1}{2^{2k+2}} \qquad \Rightarrow 2^{2k+1} = 2^{2+2k}$$

$$1 - 3a - 1 = 9 - 3a - 2a - 5a - 10 - 3a - 2$$

16 Ans. (n).

Of squaling bouldings, we get

$$0+\tilde{V}_{A}+\tilde{U}\wedge\tilde{V}_{A}=1$$

Unding his payed we be

$$\mathbf{r} = (\mathbf{4} \times \mathbf{4} \times \mathbf{4}) + \mathbf{2}$$

11. Ans. (c)

$$1 \leq t \leq 2 \leq t \leq 1 \leq t \leq 1$$

Then
$$y = \sqrt{2\pi}$$
, $0 + e^{-\pi}$ and $\alpha = e^{2\pi}$

$$e^2 = 50 + 1^{24} - 1^{3} \text{ k}^{-1}$$

$$\sum_{k \in \mathbb{R}^{N}} |k|^{N} \leq \sum_{k \in \mathbb{R}^{N}} \frac{i}{k!}$$

12. Ars. (±)

$$x = \lambda_{\mathbf{w}} = \left(\lambda_{\mathbf{w}}^{\mathbf{w}}\right)_{\mathbf{w}} + \lambda_{\mathbf{w}} \cdot \left[\lambda_{\mathbf{w}}^{-\mathbf{w}} + \lambda_{\mathbf{w}}^{-\mathbf{w}} - \lambda_{\mathbf{w}}^{-\mathbf{w}} - \lambda_{\mathbf{w}}^{-\mathbf{w}}\right] = 0$$

Sunde, feditions & tage relations



Prancial Exercise II

na selimbi og "stiga

- ιοί
- :Li) 👵
- $\mathbf{p}_{\mathbf{i}}^{*} = \frac{1}{2}$
- p#: 3
- 2 Abovese of boughted this.
 - ia Na
 - :bi

 - ici -4 (d: 4
- $\mathbf{3} = (1/\sqrt{2})^{2} + \frac{2}{2} (1/24)^{2} (1/4 \sqrt{2}) \in \mathbb{R}^{2} \times \mathbb{R}^{2}$
 - $(p) = \frac{3}{2} \qquad \qquad (b) = \frac{1}{2}$
 - íci ·
- 4. If $q_{28} = 0.9$ for the notion by
 - (d) 2.66 (b) 56 (e) 46 (d) 2.56

- $S_{n} = \Gamma \log_{4} a + \exp_{a} a + \delta_{n}$, which is equal to
 - (a) 2 (a) 2
- :b; 1
- igi B
- (46-10
- 3. If $\log 2 = 0.03715$ then for amount for girs in ريو بطرو
 - (a) \sim
- :b: 13
- ici 😘
- 5d: 15
- 7 The value of log (10g, 625) is

- (c) 10 (d) 45 ::d: 15
- a injegra logita logicij sector o
 - in: C
- :h; I
- (at social tide serves)
- $9,\quad \left[\frac{1}{(\log_2\log_2)} + \frac{1}{(\log_2\log_2)} + \frac{1}{(\log_2\log_2)} + \frac{1}{\log_2\log_2} + \frac{1}{2}\right] = \epsilon.$
 - estro is:
 - ia: T
- :L: 2
- 600-2
- 5d: ____

- 1.3. $\theta \log \beta \exp(\log \beta) + 1$, there is again to

 - (a) 510 (b) 170
 - [::: 1.4
- 100 C
- 11. If call 0.45 30 K, Lut log, 10 is a
 - (a. 3322
- 413 5 7790
- (5) 3.3755 (5) 5
- 12. Bits $p_1 = 0.30$ is the value of $\log_{10} A_2$

 - (a) 07841 (b) 1.8811

 - ter 0.66**90** (b) 0.7625
- 13. The value of (0.0447 + 0.3, 0.2) in z
- 130 6

- (4.1) $\log_2(x^2 4) \cdot \log_2(x 4) = 2$ (then to value of e

 - (5) 5
- 101 Av.
- 100
- $0 t : H(\log x + \log x) \cdot \log(x + y) \ge \cos x$
 - $(3) \quad \gamma = \gamma \qquad \qquad (3) \quad x\gamma = 3$
 - $(x_1, y_1 = \frac{x_1^2 1}{x_1^2}) = (x_1^2 + \frac{x_2^2 1}{x_1^2 1})$
- $\text{16. The value of } \left| \frac{1}{\log_{100} x} \frac{1}{\log_{100} x} \right| \approx \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100} x} \left| \cos \left(\frac{1}{\log_{100} x} \right) \right| = \frac{1}{\log_{100}$

- : 7. If $\log 2 \approx 6.3999$ and $\log 8 \approx 6.47$: Herefore which of log 1.5 its.
- 300 002223
- as) 19780367 R = 0.038**86**
- ings) Koma dilbari

다보되다

Solutines

- ំ សមត្ថស្រាំ
 - Let $\log_{2n} 7 = 6$.
 - $2\|\mathbf{\varphi} \in \left(2.57\right)^{\mathsf{T}} + 7 \Rightarrow \left(7^{\mathsf{T}}\right)^{\mathsf{T}} + 7$
 - $\mapsto 2^{(r)} \cup f$

$$\frac{1}{2} \frac{\partial x}{\partial x} = 1 + x \ln x - \frac{1}{2}$$

$$\frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2}$$

2. Ans (a)

Let
$$\log_{10}(0000) = 0.00040$$
,
$$1000 = .0000 \Rightarrow .000 = \frac{1}{10000} \Rightarrow 1000 = .0000$$
$$= .0000 \Rightarrow .0000 = .0000 \Rightarrow .0000 = .0000$$

3 Ara (2)

$$\begin{aligned} & \operatorname{Pr}_{A_{i}, X_{i}} = \frac{d}{2} = \operatorname{Pr}_{A_{i}} \cup \left(2^{k/2} - \left(2^{k} \right)^{1/2} \right) \\ & = \operatorname{Pr}_{A_{i}} \cup \left(2^{k} - \left(2^{k/2} -$$

 $\delta = 0.59, \{5\}$

$$\mathbb{E}[Q_{ij}(x = 0.3) \cdot s \times s] (\mathbb{R}^{d_{ij}})$$

$$= a^{d_{ij}} \cdot s^{d_{ij}} = a^{d_{ij}} - s$$

3. Are. (d)

$$00_4 x + 0 y_2 + 46 + \frac{100 x}{594} + \frac{100 x}{102} + 6$$

$$1 - \frac{\log x}{2 \cos 2} - \frac{\log x}{\log x} = 3963 x = 126.27$$

B. Are. (a)

$$\cos^{20} = 20 \text{ ags.} + 30 \sqrt{\log \left(\frac{10}{p}\right)_{1}}$$

= $20 \times \left[0.010 + 0.03\right] + 20 \times \left[0.010\right]$

- $-90 \times 0.8370 \pm 13.500$
- . Charatterate ±13
- ... is upaged and although 5 Tip 1:
- 7. Аны (а):

саНжуд
R25 – и Then
$$\hat{\epsilon}$$

$$\pi_1(G^n)_{\mathbb{R}} = \{ f^n \cap f \mid g \in \mathbb{R} \}$$

or
$$\log_{10}(\exp_3(25))$$
 significantly $\log_{10}(4) = y$.

$$\mathcal{O} = \mathcal{D}' + \Delta + \mathcal{O}^{\perp} \mathcal{O}(\sqrt{g} + \beta)$$

$$a = i \log (\log_5 825) = 2.$$

6. Aug. (b)

idhan wap =
$$\left[\frac{\log a}{\log a} \times \frac{\log a}{\log a} \times \frac{\log a}{\log a}\right] = 1$$
.

9. A/s. (a)

10 Ans (a) $|\log |\log_2 m_0 \cdot |\phi| = 1$ $= |\log_2 (\log_2 x) - 2$ $= \log_2 x + 2^2 - 3$ $= 3x - 2^2 = 3.23$

11 Ana, (3)
$$\log_{\epsilon} 10 = \frac{1}{\log ab} = \frac{1}{0.3010} \approx 3.3.221$$

12. Ass. (c)

$$\begin{aligned} & (g_{11} b + \ker g \left(\frac{m}{g}\right) + \log_{10} 10^{-10} g_{10} g \\ & + (1 + \log_{10} b + (1 + 0) \log_{10} 0) + 0.689 g, \end{aligned}$$

15 Au 8. (d) 10

18. Are. (a)
$$(\log_2(x^2 + z) - \log_2(x - t) = 2$$

$$= -\Omega_{2}^{2} \left(\frac{g^{2} + y}{r} \right) \cdot \mathcal{J}$$

$$D_{k0}^{\alpha} = \frac{\kappa(\kappa + f_k^{\alpha})}{\kappa + 1} \left[\kappa \cdot G \right]$$

on
$$\log_{\mathbb{R}^n}$$
 -zons- \mathbb{S}^n - \mathbb{Z}_n

15. Ans. (d)

$$\log x + \cot y = \exp(x + y)$$

...
$$x \Rightarrow y = xy \Leftrightarrow x = y/x = 0$$

$$\cdot = \gamma - \frac{\lambda}{\sqrt{2}}.$$

\$8, A19, 1d) |

$$\operatorname{sugg}_{k}\left(\frac{p}{q}\right) \cdot \operatorname{Ing}_{k}\left(\frac{p}{q}\right) \cdot \operatorname{Ing}_{k}\left(\frac{p}{q}\right)$$

$$\log_{1}\left(\frac{2}{3}x^{\frac{2}{3}}+\frac{r}{3}\right) = \log_{1}(1.6)$$

17 Ape. (a)

$$\log 4.5 = \exp\left(\frac{10}{12}\right) = \exp(-10)2.$$

$$-k_{1}q_{1}^{2}\beta_{1}^{2}[-k_{2}]\beta_{1}\beta_{2}-k_{1}q_{2}+k_{1}q_{2}$$

$$-12 \times 0.4771 + 0.46331 + 0.6733$$

PPEE

Taking blood a horse 1, 5 in 2, 3,........................... In this sense aving her mising siderby landing in terms districtly in a dicivo cua long. So hidan herastad us, the general air. \mathcal{A} allym \mathcal{A} at (a. (a. (b. (a. \mathcal{A} b))) — Π is guided terms. sical or as Arthonetic Eerise and Lorentz Listen and Arth or its of is figurear an affirm that Action companies.

Basics of Archmetic Progression.

- $t = [\text{Facing call}(t), t^{1/2} + t \in [t]_{A,T} A^T$ $\mathbf{1}_{i,j} = \mathbf{s}_{i,j} \cdot \mathbf{1}_{i,j} \cdot \mathbf{1}_{i,j} \cdot \mathbf{1}_{i,j} \cdot \mathbf{1}_{i,j} \cdot \mathbf{1}_{i,j}$ (1, -1 - (3 + 1))
- r i Buriolin eministro on a-ti

$$S_{A} = 2T + \frac{1}{2} \left[2s + \left(1 + 1 c t \right) \right]$$

$$= \frac{C}{2} \left[2s + \left(1 + 1 c \right) \right]$$

$$= \frac{1}{2} \left[2s + T_{a} \right]$$

$$S_{A} = \frac{T}{2} \left[2s + \left(1 + \frac{T}{2} \right) \right]$$

Properties of Alithmatic Pilon \mathfrak{g}_{88} on

- 4 Apa corsa e qui belong engre plass
 - \mathcal{A} iff the direction of each A3 yields A3 with the context A3A Sur nettles all or or or you
 - William a sumbers have so not process. lien úedour po ni Bolo kitila – √ _{ni h}aji
 - δc , the a time set $V_{S^{2}}$, b , c , c , c , c , d , d , d , dwith both (x = y), (x = y), (x = y)
 - Finan AF times shapes is in band sum or m $\sigma_{i} = (d_{i} + i) \cdot (c_{i} + i) \cdot (c_{i} + i) \cdot (c_{i} + i) \cdot (c_{i} + i)$ + 7:17

[Эшгре 1.

Souther the companies in the sum of all the in 17. Hind of condition public logic connecticity.

Sample4.

Milbert of Lord for all and community of Ference by

$$\frac{1}{2} |2a \cdot (b - 0)| = 4$$

$$\Rightarrow \qquad 2a \cdot d \neq 0 \qquad ...(6)$$

$$\begin{array}{ll} g(x) & \frac{dx}{2} \approx 4 \left(1 + 4(x)\right) = 2 \\ & = -4 \left(1 + (x) + 2\right) & \dots (1) \end{array}$$

$$=$$
 4. Fig. -2
 \mathbb{P}_2 subtraction (a) we get:

$$z = \frac{1}{2} \operatorname{ond} A = \frac{1}{2}$$

$$=\frac{|\Sigma|}{|Z|}\left|Z_{-1}\left(\frac{1}{2}\right) + \left(\frac{1}{2}\right) - \left(\frac{1}{2}\left(\frac{1}{2}\right)\right)\right|$$

$$\begin{bmatrix} \frac{3}{2} & \frac{15}{2} \\ \frac{1}{2} & \frac{7}{2} \end{bmatrix}$$

- ' Britana' AP vî Hereney'in Alinê Jave Jerre Heren (a) \square demonstrationary $j \in J$ with $\lambda = i \gamma |j \circ j \circ L|$
 - (b) -26 (m ± 6 %) term of the Δ^2 will be $\Delta_{\rm min}$

 - fatigitam of the APW as given in

Example 2

- all About a grAP of communiciples and
- $1 \mathbb{S}_{i_1} \mathbb{S}_{i_2} + \mathbb{S}_{i_1} \mathbb{S}_{i_2} \leq 0.$
- los Calling on e 3.
- SHOULD SHOW IN ALL
- then all throwel had?
- At d the free term is $\xi + 2 = 1 97$
- fishing a inter-sindhed at such potentially poets. $\label{eq:condition} \mathcal{M}(m) \cap \{ \{ a \in T_i | i = n \} \} \ \ \, \forall i \in J_i \ \, \text{for } n \in A_i \}.$

Evams 4.5.

If £, c, 10, 14, 10, is at Anadoniyle ye atter cases of subtraction. ($\epsilon_{\rm B} \sim_{1000~{\rm GeV}^{-1000}}$ Ku pedara.

- 3. 1 19 19. 20. ...
- 10-7, 10-6-19. (Both series and Ash)
- 1960M But Get is pulliplied in a life that of AS the reconstruction of the AT

Example 4.

Not space 1-3, 8-7, 8

MHIIP \hat{y} \hat{q}_{x}^{*} , \hat{z}_{y} 2 \hat{y} \hat{y} \hat{q}_{z}

 $2.0 \cdot 10^{-4} \cdot 19$. The set estimate of Latter

 If a more more than of envelope equations in more terms of the purpose AP than the AP will have

$$\int_{0}^{\infty} \frac{df}{df} \int_{0}^{\infty} \frac{df}{df} \int_{0$$

h a valid ar viwlen (n. ...n) blood.

Mean introdes

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Exerciple 5.

The Summedia's Sitemps sign with sign to the SUM of Instance (b) is turned the wind the way to be more set between the page.

$$K(S_n - S_n)$$

$$y = \frac{\pi}{2} \{2\pi - 7, \left[1, -\frac{1}{2} \right] [2, 1, (4)] \}$$

- $= -68 \pm 2284 \times 150 + 166$
- \rightarrow 75 .776
- 0.014 (0)
- $\overline{S}(x) = \overline{S}(x) + (x) = -yx + S(x)$
- \rightarrow $\gamma \gamma^{*}$
- 30 0 = 00

$$\Leftrightarrow \frac{1}{2} | \lambda u - \alpha | = \frac{19}{2} [\alpha u - \alpha z]$$

 $13 - 20 = 20 \approx 18 = 364$.

$$\Rightarrow$$
 , $\frac{37}{2}$:

$$S_{\mathcal{F}} = \frac{\partial J}{\partial t} dJ \cdot T = I / (4 \pi / 2)$$

$$-1 + \frac{20}{3}$$

Wild is no prosince

The AFA 8 6 purposed \$ 15 multiple of 1, more than 2 Type into second AFA; Type into the with base for \$400 of the contract case \$ medical to

$$\frac{S_{2n-1}}{S_{n-1}} = \frac{2(n+1)!}{(n+1)!} \frac{S_{n}}{S_{n}} \bigg\}$$

Some Important Applications

• Carrot intercam numbers

$$R_{ij} = \mathcal{I}_{ij} + \frac{2}{2} \frac{\partial \hat{p}_{ij}}{\partial \hat{p}_{ij}} \int_{\mathbb{R}^{3}} d\hat{p}_{ij} d\hat{p}$$

Surface squarement of a wayte gap bags.

$$\varepsilon_{r,\tau} = \frac{((0)\cdot 0)(2^{r}+1)}{2}$$

Sum college, used of the amount on

$$\leq_{\mathcal{O}^{+}} \frac{\left(\eta(r+f)\right)^{2}}{2^{n+1}} \Big|^{2}$$

$$\{(1, R_{i, N}, P_{i, N})^{T}$$

Commotivie Series

Not fill a recent \$1.4. \$1.50.35 \tau. It is in series, expense every within the special Community multiplying the region that so the size expenses of a other series over 50.50 and a meaning expension to the type.

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Bosins of GR.

- NTH in Injury clear
- Compare terms.

$$\mathbb{X}_{n} := i \begin{pmatrix} n-1 \\ 1 & n \end{pmatrix} \qquad \text{pages to } n$$

$$N_{n} = a \left(\frac{p - e^{\alpha}}{1 + r} \right) = -c \cos r - e^{\alpha}$$

:hiiniba GP

The first period to be the first of the first period of the first

$$S_0 = 8$$
 (4800 to 49)
 $S_0 = 9$ (8800 to 1)

Dosin Proporties որ գլբ

#364M60 - First Fig. 1 god for Jorge in 1966 Fabric Projektion Scattered of the APS: The staining will be

$$e_{\rm int}(a) = \frac{a}{b} \cdot \frac{a}{b} \cdot \exp(ab \cdot a) \cdot a \cdot a \cdot \frac{a}{b} \cdot e^{max^2b}$$

Harmonie Scries.

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nuclear generation of the Hardwest condition $\frac{1}{2},\,\frac{1}{2}$

$$\frac{1}{8}, \frac{1}{7}, \frac{1}{8}, \frac{1}{11}$$
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$$25\,\Gamma^4\,5\,\cos n^2\,|P| \approx \frac{4}{10} +$$

Basic Maans

For the given forms there are the inversed mean \boldsymbol{x}

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- 2 (60 to High mode)
- Harmonia ing grapa

Williamotic Mean.

For all $\tau^{\rm min}(s,z)$, $\alpha_1,\alpha_2,\beta_3,\dots,\alpha_n$ the $\delta(v,y)$, the

$$\underline{S}_{1}=G_{2}=\frac{r_{\underline{p}}\otimes \ldots \ldots \alpha_{q}}{q}\ldots \alpha_{q}$$

Cao notale Mach

Cleanward Table is the term work often problem makes at the term in GPT with appropriate was formed with a the CDT with such a way those GPM the value of TSP.

$$SA \cap CM = \sqrt[3]{7}, \overline{S})$$

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$$\frac{1}{2}(10 + \frac{200}{2})$$

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Solved Incamples

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^A. 19. [3]

$$x = \frac{0.15}{50} \frac{7 \cdot 2}{50} \frac{1}{100}$$

$$=\frac{2\pi i \frac{2\pi * 0}{2} \cdot 2\pi \cdot n + 2}{2}$$

$$-2 = \frac{2 \cdot 4 + 8 \cdot 1....25}{620 \cdot 50 \log 3}$$

$$\Rightarrow \frac{2 + 2}{2} = n \cdot 1$$

Removegation (ad-

Alternate: Efficiency of 2 consequave to mail ic. and to not not even term = 1 so difference of evg. effects and available even + vi

$$(x_1, x_1 + y_2 + 1)$$
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Ans. (d):

 $\prod_{i \in I} c_i$ or each blook by i = 3.8. The fact term id visible by 11 = 525

Not, of terms =
$$\frac{2.85 - 185}{34} \cdot 1 - 36$$

Насекордивии

 $z = \Re \phi + \gamma \Delta \sin \phi$ from period it such that ϕ' park a din AP endona ampublishersham and heli port is Γ less than the product theorem part δ . th of part.

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$$a > 36$$
, $a = d$, $a = 36$

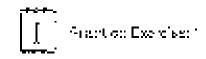
$$\cos(a+3b+a+6+a+c+a+3b+74)$$

and (a + 3a)(a + 3b)(a + 4a + b)(a + 4b)

- $\Rightarrow a' 36' + 2 4' 2'$
- ·글 경기 = 조리 연기 표 12.

Successor (2018), 3, 30

Progression



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- 10. (Signatify from well) imposed page $M_{\rm s}$ is to this given is 7. Which of the mixture $\rho_{\rm q}$ and $\rho_{\rm d}$ and $\rho_{\rm d}$
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 $\square \cap \square \cap \square$

Sichatho<u>ris</u>

- * Aris. (b)
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- $4.880 \pm 0.011 \pm 0.01137$
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 - Here $A = 70 \pm 30$

.11

a i 144 - 59

...: i`-

- $\tilde{r}_{10} = r_{10} = 20$
 - d 5
 - $(0.11)(1.23) \approx 30$
- 33. A. L. I.
- a ans. (Sil
 - aftinian so a
 - HH 6 N = 20.

 - 18^{th} with 01 for a=1/2 $a_{1}(a_{2})$, $a_{2}(a_{3})$ in
 - $35 (-5) \times 16 = 0.0$
- Ann (b):
 - Leanur idensiar-
 - s = d. $\ge ano a + d$.
 - towing great but
 - where $t \in L(X, X, T)$ is little to contain the $RX_{t \in X}$

- ...i !
- (4 ~ d * + s2 + f2 + 55 + 85
- $i^{\prime\prime}$!

- $N^2 \circ 7(2 \pm 33)$
- $G_2 + 2\pi^2 33$

- 2:10 6
- $\mathfrak{I}^{\mathbb{Z}} \to \mathfrak{I}^{\mathbb{Z}} : \mathbb{Z} = \mathfrak{I}^{\mathbb{Z}}$
- 20, cast lengths g + d = 0
- 5. Aug. (#):
 - 6 m 5 9 2 2 3 4 (5)
 - $S \in \mathbb{C}[a, a]$
 - gow surfacilité des est est de
 - 15% No. 15 x 5 + 880
- 6. Ans (b)

This sequence is to 1920, 2, 4, 9, 1...

Flower tribility 20 a map be

$$\frac{2k}{r} \cdot \left(- r^{2k} \right) =$$

- 7. Ans (b)
 - u sigiwa kata
 - $\cos^2 \cos z$.
 - r 1... 4.
- how or finally
- $3000^{2} \times 30^{3}$
- B. Albertahl
 - tion, and
 - $T(w(s) + a) = (rp)^2 + -a$
 - where $\mathbf{a}^{*} : \mathbf{a}^{*} : \mathbf{a}^{*} = \mathbf{a}^{*} : \mathbf{b} : \mathbf{a}^{*}$
 - of) 20theografic on 2.4.8
 - Mild geat turning &
- 9. Analian

Private 2000 individual forest en adjourn destric

 \mathfrak{R}^n or direct form is ideal by $\mathbb{A}_{13}\mathbb{Z}_{33}$.

- Beroma a 1901 diay.
 - $= 4 \times 5 \times 10^{-3} \, \mathrm{g}$
- $437 200 \pm i = 31 7$
- ⇒ 7r ... 200
- 5.10 93
- 10. 9/e. (ch
 - Les greconomals
 - tra- 1/3
 - ar² 240:
 - Loan (I) and (if we yet
 - 西北 774

 - romijia dijijinagal

smoot An wilbo

្ត្រ។ [_{11],} Ana. (h)

- ja lgivan dish as a collection of $m_2 + 20d = 220$

$$_{i\rightarrow i}\tau =1^{p}$$

$$-28^{\circ}$$
 form with $5-82^{\circ}$

1 (2, A5S, (3))

and this given that

Covers
$$\frac{1}{2\pi^2} \frac{2}{2\pi^2} \cdot \frac{7}{8} = 1 - \dots + 728$$

$$\frac{1}{2} \int_{\mathbb{R}^{N}} \left(-\frac{1}{2} \left(-\frac{1$$

$$(-2)^{n-1} = 3^{(n)} + -11$$

(S. Ads. (c))

$$\frac{p + b}{c} = 2c$$

$$ab: -4\%$$

Let $\mathbf{a} = \mathbf{1} \otimes \mathbf{o} + \mathbf{d} \mathbf{0}$ and the version

14. Ans. (g)

$$\frac{3+6}{2} = 567$$

$$\sqrt{ab} = 6 \%$$

Here is a pioner and

GM = 1903, esc han AM inno si

$$GM = \frac{4}{\pi} M$$

$$\Rightarrow -ia\vec{b} = \frac{1}{5} \times \frac{d-1}{3}$$

Gaby for spiriting to $x = t/\lambda (t) = t$ or $\alpha = -1$ but

Go ratious v

다다보다

Progression



). Determine a soft at $\frac{2}{2}$ we use $\frac{1}{2}$ is any type

Consolitive leg loofing (Pi

- .50 16/01
- (7) 11/33
- 1.49
- 2 17 Shound 2 family an Africa or action Clinical the Historia and Subflormed and Arrig
 - nt.; 1
- 51 P
- ici 3
- 6h 3
- By Hilbert Theorem 4 in the form of the $A \in \mathbb{R}_{+}$, and Arespondient villing the $k_0 l_0 + q^2$
 - $f(x+y+\log x,y)\cdot \exp x \cdot y \cdot y$
 - E) 2
- (<u>.</u>)
- 4. A sampling upon with severable probability halfest saconal. Minerely or ing the sevent, 23 makes du a grand zezhand an evel bijez e_{rek}n. desar constituit tat alega gripping this generation
 - 18) 名面の He Girl Chippings
- - 60 Zulezou in Simalnes
- Details of a very mode is continued by the major Bardba, timnin Brianni, le so i mga kijiji mga.
 - 12 600
- 250
- [56, 567]
- 20.00
- G_{ij} . This impropriet $g_{ij}(p) g_{ij}(p) = g_{ij}(p) g_{ij}(p)$ 4 len 2
 - (d. Militaria
- 16) B1 + 0
- 44 75 . 2
- ? The substrate of a G Ng $_{\rm L}$ is disconstant as $g_{\rm L}$ la ma
 - 101 ... it: 1
- 30 512
- (21.15%)
- .:" !.10
- d. The 3 6 is thin is Q in a figure to correspond that The second forms Signified the $x \in \mathbb{C}^n$ (x^*, x^*)
 - 1
- JI 1021
- 1. 1.35
- 7h 15
- \overline{S} . The sum of finite is factor by all S C $C_{\rm c}$ such that our 0.9955533903 ± 3.125 352.7952 for title, there may leave orogen.

(is) $\frac{2}{5}$ (fb) $\frac{2}{3}$

10. Evaluate $\sum_{i=1}^{N} (x_i \in \mathbb{N})$

 $(a)^{-1/2} + \frac{2}{5}(3^{-1} - 1) + (5)^{-1/2} + \frac{5}{5}(3^{+1} - 1)$

 $\Delta \sigma / \Delta T = \frac{3}{2} \log \Omega = B / (G_{\rm s}^2)$ for the millinger

11. The contribution of a Gibbs $\frac{4}{3}$ and the number

indepict $\frac{\partial \theta}{\partial t}$. Fig. 1, is distinct

- (9) 71
- 15: 12
- : . 1::

12. Sum the sense to make

 $\frac{2}{3} = \frac{1}{2^3} + \frac{3}{2^3} + \frac{3}{2^3} = \frac{1}{1} + \frac{3}{15} + \frac{1}{16} + \dots = \dots$

- $(z) = \frac{2}{10}$. $(z) = \frac{t}{47}$
- $g \approx \frac{f}{4\pi}$

- (c) [48]
- 56) time almasa

14. For york, and a section 313, mar.

in the state of th

- (n) A. A.

- go, do opisticaci

15. If a contracted leave of a 0.5 , let $e^{-i\omega t}$ which and 9, et sociasio^{n l}istin litinis Kenië –

- (5) (5) A
- $(S) (\mathcal{O} \mathcal{O}^{-1})^{-1}$
- $\hat{\phi}\hat{\phi}^{\dagger}(\phi+1)^{**}$ (d) loop of two

ចាយមួយ

Sales buse

 $i = Ans_i(s)$.

$$\psi = \frac{2}{\pi} \cdot \frac{n}{2} (k \cdot a \cdot b) h \cdot A.P.$$

$$... = -\frac{5}{10} + \frac{5}{5} = -2 + \frac{5k}{5} + 2k = \frac{2}{5}$$

$$\Rightarrow \frac{-114}{10} \cdot \frac{-2}{10} \Rightarrow k_1 \cdot \frac{16}{29}$$

2 Ans. John

رآھ وار

- x = 3x + 3x
 - $\sigma_{\rm e}=2+1000 \qquad T_{\rm dys}=114 \ , \label{eq:sigma}$
 - $A_{3}(a) + A_{4}(b) = A_{4}(b) + A_{5}(b)$
- $\Rightarrow 7a \cdot 120 \Rightarrow 100 + 1004$
- $\Rightarrow (14 36) = 0$
- --: --: -:: -::
- __ u._ :..

O. And (5)

Let A be the first length and Dy the promotion (3) greatly.

$$\frac{1}{2}$$
 = 2 $\frac{1}{2}$ = 4 $\frac{1}{2}$ = 10 $\frac{1}{2}$ = 10 $\frac{1}{2}$ = 10 $\frac{1}{2}$ = 10 $\frac{1}{2}$

$$\mathcal{H}_{bol} = \mathbb{R}[A + (0 - BC - B) -(6)]$$

 $(x + y)(x + y) + D(x + y) = c_1(p + q)$

$$\{ \{ \hat{x} = \{ x \in \hat{x} \} | D^*(q) = 0 \} \mid [A(x, p) \cap f(D)] (x \neq p)$$

- -3 (figure -3).
- $A_{i}(T_{i}, T_{i}, T_{i}) = P_{i} \cdot P_{i} \cdot P_{i} \cdot P_{i}(A_{i} \cdot P_{i}) + P_{i}(A_{i} \cdot P_{i})$

$$+(p-b(r-p)+(r-c)((p-c))/2$$

 $-3.6 \pm 3.3 \pm 0.$

Ans (s)

Eister de pavaraut dum generit fram in die gege Ciniarea ceva ed ou lingitho 214 gyggngi. **= 52** × 1

Distance appropriate during the test stagging.

The daily outpowed Nothan A.F. - 99 + (31 + 28) . . . in which g a 200 millioni.

Okrance reservation (*) reservat

- e al termionide ∧ ∈.
- = & + 7d = 36 + 7 (−41
- -1.46 99 90 moderns

. у. — Аяя. (а).

limbe the mark each forme, were

e, lace as a tipo tiret tarm one id till olden nort reference.

$$\lambda_{n} \cdot 20 = 18 \cdot 1 \cdot (n - 1) \cdot L$$

$$\Delta \log \delta_{ij} = \frac{n}{2} \left[\ln (-e) \right]$$

, for
$$\frac{1}{2}(3-39 \Rightarrow 19) \exp(3.2)$$

$$\varphi(t, t) = \frac{f(\Phi)^*}{d^{2} \epsilon} = (\epsilon).$$

patina na 85 indi kengili

(25) The
$$z = 0.00$$
 contacts $z = \frac{2}{5} = \frac{1}{5}$

6. Ana (b).

Here
$$V_0 = 375 + 1p$$

Fulling $\phi = 0.801898$

$$6^{\circ} - 86^{\circ} + 4^{\circ}$$

Changing f(x) = 0.588 361

$$5000 + 200 \times 120 \times 400 \times 100$$

$$3(r^2 - 2n + 1) + 4r^{-2} +$$

$$-31 - 20 \cdot 1$$

$$\begin{aligned} & ... & b_n = b - b_n \\ & = 3 \cdot 1 - 4 \cdot 1 - 20 \cdot 1 - 2b - 1 - 0 \cdot 1 - 2 \end{aligned}$$

... ∠B9.15;

But a treather instited in a product common state.

...
$$a^2 - 2 + b^2 - 2$$

.. :1:

$$= \gamma + i2 + i3 ^{\circ} \times \cdots \times 3^{\circ}$$

$$\sum_{i=1}^n a_i^{(i)} + (i+1) + (i+1) = \frac{1}{2} b^{(i)} + 2a^{(i)}$$

$$= (20^{150} \pm 0) \pm 512$$
.

H = A(n, 1, p)

reflects in eigenstandig to the point a on $A \in \mathcal{D}$ ΞГ

We use
$$\theta_{\eta} : (\theta_{\eta})^{*} \xrightarrow{} 0, \cdots, \eta^{d}$$

$$\rightarrow e^{i\phi} \in U$$
 (4)

$$\rightarrow -\infty = 0$$
 (6)

Mubpying (termit) engin

$$|a|d-a|=\epsilon.$$

3 apra. (e)

$$(1600, \frac{23}{50}, \frac{125}{332}, \frac{100^3}{100^3}, \frac{100}{200}, \frac{7}{3}, \frac{125}{150^3})$$

$$\Rightarrow \frac{3(-1)}{2} \times \frac{35}{2} \times \cdots \times \frac{3(-1)}{2} \times \frac{10}{2} \times \frac{35}{2}$$

$$22 = \frac{1}{22} \frac{1}{12} = \frac{100}{102} = 1.1 - (100) + 1200^{2} + 100.$$

$$r^2 = (4\pi)^2 - 27 + 2\pi^2 = \frac{27}{185}$$

$$|\mathcal{F}-\mathbf{r}^3-\left(\frac{3}{5}\right)^3=1, \ \, 1\leq \frac{3}{2}.$$

Heres the connex mid of Gift is $\frac{5}{2}$.

10 Ans (2)

$$\begin{array}{ll} (2.43) \circ (2(3^7) + (2-5^7) + . - (2+3^7) \\ = 2 - 3 - 3 - ... & (115.575 \\ + (3-3^2 + 3^7 * ...) \circ \text{to to 11 isomet.} \end{array}$$

$$-10^{\circ} 2^{\circ} \frac{SS^{2}}{2} \frac{10}{2} + 22 + \frac{2}{5} 3^{\circ} - 1$$

i II. Ans. fa)

$$S_{\alpha} = \frac{\lambda}{1} \left(\frac{1}{2} + \frac{RC}{S} + \frac{\lambda}{1} \left(\frac{A}{S} \right) \right) = \frac{\lambda \lambda}{S} + \frac{\lambda}{S + \lambda}$$

$$|a| > -\frac{90}{5} \cdot \frac{9}{5} \sim 16$$

Henry modestions is to

12 And. Si

$$\left(\frac{2}{\sqrt{2}} + \frac{\omega}{\omega^2} + \frac{2}{\omega^2} + \dots + 2^{2n}\right)$$

$$\frac{1}{\sqrt{2}} \left(\frac{5}{2} + \frac{6}{4^2} + \frac{2}{2^2} + \dots \right) = \frac{5}{2}$$

$$= \frac{S(r)}{r} \frac{r^2}{r^2} \frac{d^2}{r^2}$$

$$= \frac{r^2}{r^2} \frac{r^2}{r^2} \frac{r^2}{r^2} \left(\frac{r^2}{r^2} \right)$$

Id. Analytic

Transfer so trendens 8,4,3 — Jayren AH A The Section of protein again in he mails.

$$\frac{1}{11} \frac{1}{4} \frac{1}{3} = \text{ With the problem} A_{n}^{-2}$$

$$1 \exp_{x} x + \frac{1}{x^{2}} y = \frac{1}{x^{2}} \frac{1}{10^{-110}}$$

$$1 + 2q (\alpha^2 \wedge A)^{2p} + 4 + 3g$$

$$=\frac{1}{3}\cdot 6\times \left(\frac{1}{5}+\frac{1}{6}+\frac{4}{5}+\frac{6}{3}\right)$$

$$A = M(\operatorname{semiort}) + \operatorname{id}(\frac{h}{h})$$

And 160

- A 9 x are in G.E.
- مين هي ا

more know belt sites.

- 2.33 y = ng n 150 x
- $= (2 + 2 \log x + (1) \log x) + (1) \log x)$
- $\Rightarrow \exists (1,0) \in \mathbb{N} : \{(1,0) \leq 2\} \leq (1,0) \otimes 2\}$
- $\approx 14 \log r_{\rm s} T / \log r_{\rm s} + \log g_{\rm s, and} \ln r_{\rm s} g$

$$= -\frac{1}{\log p_T} = \frac{1}{\log p} \frac{1}{\log \log p} \log p_T = \frac{1}{\log p_T}$$

15 (viis. (a).

if $e^{i\hat{t}} \mapsto c_{i} m_{i} n_{i} c_{i}$, where $f \in P_{i}(n_{i})$

Lia fish near plot the KiP ge

$$\sim 50.7 \times 50^{\circ}$$
 cm $^{-3}$ GeV 2

ire a li arx e 17 y n 14

$$\times S^{(i)} \times I \overset{\operatorname{def}(\mathcal{A}_{N_{i}}^{(i)})}{=} = \left(\operatorname{red}(\mathbb{A}^{i)} \times \left(\operatorname{red}(\mathbb{A}^{i)} \right) \right)$$

$$= \left(e^{\left(p^{-1} \right)^{-1}} \right)^{-1} + \left(p^{-1} e^{\left(p^{-1} \right)^{-1}} \right)^{-1/2} + \left(p^{-1} e^{\left(p^{-1} \right)^{-1}} \right)^{-1/2}$$

יטע עיי.



ill marrise Europe: 19

- 1. If the standing \mathcal{E}^{h} and the \mathcal{E}^{h} element of Mfrom the uncorrection is for $p \mid x_1 \cap x_1 \mid g_1 \mid g_2 \mid x_2$ $C_{\rm co}$. If $C \cap C \cap C^{\dagger}$ is constant of the search congress given, than which domain of the concestion (discourage) be enter in _{Kell}on.
 - 10.1
- $(0)^{-1}U^{0}$
- :::: i ::
- 14.0 Note of these
- $\theta = 10^{\circ}$ to its first the its surmorths is purposed in that it $\tau_{\rm th}$

$$\label{eq:condition} \mathrm{DC}(\frac{1}{p^{\alpha}}) \leq \frac{1}{q^{\alpha}} \qquad \quad \mathrm{CO}(q^{\alpha} + r^{\alpha}) \leq 1/2.$$

$$f(x) = \frac{1}{4} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} = (d) + \log \log (d) + \log \alpha$$

- $J = P(\operatorname{Pig}_{\mathcal{A}}, ||\mathbf{a}^{G}|_{\operatorname{CDL}}, \operatorname{inj}_{\mathcal{A}} ||_{\operatorname{Pig}_{\mathcal{A}}}) + \operatorname{green}_{\mathcal{A}} \|_{\operatorname{CP}} + \operatorname{green}_{\mathcal{A}}$
 - $\{ \Delta_{i}^{(i)} : D(i) \mid \{ (i,j) = i \}$
 - $(0,1) u_i(\log n) + c_{i,j}(\log n)$
 - $a_{ij} = \alpha_{ij}^{2} (\log_{k} (1)$
 - (d) $\Phi_{i,j}(xy, z_i) \cdot \lambda_{i,j}(xyz)$
- 4. A comparage of 675 in a policy invalue of a positi Can try instrument voting tops if anytherement by Fig. 5. (PH a next for the matinishment $\kappa R_{\rm B}$ in the If we get experient the entire continuous type good?
 - 100 119 ming is
- 777 26 centres
- (5) 15 mm ts
- 162 Harranne
- $S = 1 \, \mathrm{ch} \, S_{\mathrm{ch}}$, which is such that the first the magnitude of $\overline{t}_{Sr} = aS_{rr}^{-1}$ from the values $t_{sr}^{-1} v_{sr}^{-1} v_{sr}^{-1} v_{sr}^{-1} v_{sr}^{-1} v_{sr}^{-1}$
- Fat 6

......

- 1641
- By the equation $a(a,b) \in \mathbb{N}$ that an discuss that organical assistance assets

 - [8] B. Paro I.s. §1 4, 5 per 18.

 - (3) 3: 9 and 10 (1) 60: 2, 9 and 15
- 7 Tielsummthikalige
 - 4+29-14 41: 4 92₁₈
 - (9) IG91
- رشن: ازن
- (f) 5-60 (d) (d) (42)
- $0. \quad F_{0,1,1}^{-1} = \frac{1}{2^{n-2}} \operatorname{tr}(a, b, \operatorname{ch}(a, b, a))$
 - Ali, a subulograstion.
 - (a) Con vita Esperator

- (et il annonn (negrension
- 455 Akti e Gruesori
- The value of
 - (1) 12 (3) m lab (-2 · 8 · 15) &
 - (a) 14200 (b) 184 C
 - n ir 12230
- ide 1800
- $10.~\Pi$ Θ and Φ introduced to the instrumental in $n_0 \oplus p_0$
 - $\mathfrak{M} = \frac{\mathfrak{I}(\mathfrak{h} \mathfrak{f})}{\mathfrak{f}} \qquad \qquad \mathfrak{M} \mathfrak{f} = \mathfrak{f}$
 - 50 10 10 2 5 from (
- $H_{\rm s} = \frac{34.5 \times 7 + 1.0 \times 10^{10.00} {\rm g}}{1.0 \times 10^{10.000} {\rm g}} = 4.0 {\rm erg} \cdot 10 {\rm$
 - 13
 - 10 2
- (1.8
- jiga Ka
- 95) of
- 12. Il foto a tramit sur liegure i legibore ju pre registi End committee of squeezes that a gar
 - ilai e
- 150 G
- 11: 7
- (:1: --
- 18 What convious on its majorabilitati
 - C = 0.50 + 0.000 ± 0.000 ± 0.000 ± 0.000 ± 0.000
 - (5) 7
- i (bi t
- 151 B
- in 6
- 14. The R 1007 of Dienos of a $i/Af_{\rm sp}$ whose from the 4 (2.00 × Witti 2 lite 4s, let 13)
 - 60.25
- 1111 (4)
- عل بإن
- IC.) 34
- 15. If the C_{ij} cover C_{ij} is an almost $C_{ij} = C_{ij}$ by the council 10) be incento palareza la ristarioni Afrilia e, ci
 - $^{\mathrm{th}}$ tighted with p_{th} then for the first time p_{th} and p_{th}
 - (x) = 0
- 4.. .
- i ida aya,
- (8) The unite term of a featurate of Alage system (3 \times Mpc product of Excitation Systems is
 - Feb. 41
- 10 i 45
- 43.45
- Paul Nobelehmese

Solutions

- 1. Ann. bi
 - i et al le trailire, tom leng le be me commun offeneral Stan A.A.
 - $\dots = \{a \mapsto (a) + (a + b)d\}$
 - = (8 + 60) + (6 + 90) + (6 + 114)
 - $\Rightarrow A = TJ = 0$
 - s derleub d
- Ans. (e).
 - $D_{\rm s} \gtrsim 1.3 \, \rm A \, M_{\odot}$) Learnigh in each received on
 - $\Rightarrow \frac{1}{2} \frac{1}{2} \frac{1}{2} am = am in AB$
 - $= \begin{pmatrix} 1 & 1 \\ 0 & 0 \end{pmatrix} = \begin{pmatrix} 1 \\ 1 \end{pmatrix}$
 - .. 1 1
- 3. Ank (2).(c). etean slamman
 - $\mapsto \left[\mathbb{T}^{n+1} \right] = \left[\operatorname{Coj}_{n} \mathcal{A} \right] \times \left\{ \sigma_{n} \cdot g_{n} \cdot g_{n} \right] = 0$
 - $= S^{+} = \lambda \otimes_{A} \otimes$
 - $(s, x) \approx 30.6 \cdot 110 \cdot \left[\log_2 n \right]$
 - $\Rightarrow \|x h_{\mathbb{R}^n_{\mathsf{so}}}[h_{\mathbb{R}^n_{\mathsf{so}}}g].$
- 1. Are ich
 - of the first of the colored control of the colored at the installinents contoured.
 - Litta Insial meet 124, 100
 - 3330 Yan Dilla ened Alica
 - Out or the series with section with regular party. 1 BC 503 Minoral February 5 (Sittle), 2
 - $[i, 2, \ldots] \int [(a, b, c_1) \cdot a^{-1}] c_1 = \beta \cdot a$
 - $\{1, \frac{15}{12}[2], 100, \{1, 0\}, [3]\} = 3.6$
 - 3. In 1. $4 \ln 1 \times 4 = 0$
 - $0.07 \pm 98 \text{ M} \cdot 14.09$
 - For it = 14, total amoust court
 - $= \left[\frac{3}{2}(2) \times (100 115 1)(-6)\right]$
 - $+\frac{-c}{2}(200 + t)[-2t\delta]$

9 Annual

$$\theta_{\pi} \geq \frac{1}{2} \left[g_{\pi} \cdot \{ g_{\pi} \in [p_{\pi}] \right]$$

(At table \sim 15 the 51% beam and 5. In the company difference

$$S_{2N} \leq \frac{2n}{n} \left(a + \beta a n + 1 \right) a \delta$$

$$h_{22} = \frac{2\eta_0}{\pi} (2\pi) (1/\hbar) = \{d_1^2,$$

Circuit $a_{s_1} = s_{s_1}$

$$= - \left[0 - 2 (2 + 1) \cdot \left[2 \left(\frac{5}{2} (5 + 1) \cdot 3 - 4 \right) \right] \right]$$

$$(3-\beta) \leq \frac{\alpha}{2}$$

$$\label{eq:second_second} \ldots = \frac{\sum_{s,s}}{S_s} = \frac{\frac{c^s}{c^s}}{\frac{c^s}{c^s}} \frac{s + \omega(c^s)}{s + c(d) \cdot c^s}.$$

$$=\frac{S\left[\frac{1}{2}+\frac{4\pi\sigma}{1+\sigma}-\frac{\sigma}{1+\gamma}\right]}{5+\frac{12\sigma}{1+\sigma}}+\frac{\sigma}{2}$$

Я. Ars. (Ы)

L2. The three correlatives of a large A^2 , where A is countries A^2 .

$$a = a + ac + ac^2 = 28$$
 and $a^{1/2} = a + ac$

$$\mathcal{F} = \{ 1 = 3 \Rightarrow g + g^{-1} \Rightarrow g \}$$

$$\Rightarrow (a^{(i)} - \alpha) \cdot (a + \beta)$$

$$\rightarrow 1.05 \text{ m/s}^{-1}$$

4.1 – Z. a – A. Therefore, the ithree numbers are: A.8.16

7. Ana. (b)

The particular passes of fedge and $\rho_{\rm c}$ and $\rho_{\rm c}$ are $\rho_{\rm c}$

$$\lim_{t\to 0} (1-t)^2 2^2 = 0$$

Put
$$r = 16$$
; we have, $16 + 26 + 36 + 48 + ... = 198$; $= \frac{15/15}{9} \cdot \frac{f(3) - 7}{9} \cdot 2 \cdot 1230$.

B. Mis. (c)

$$\frac{7}{12} = \frac{1}{2} = \frac{1}{2}$$

$$\begin{array}{l} r_{0} = 0 = \frac{2710}{3 + 6} \to \frac{3}{2} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot 4 \cdot 6 \cdot 7 \cdot 7 \cdot 7 \\ = -4.10 \cdot 6 \cdot 6 \cdot 6 \cdot 1 \cdot 1 \cdot 1 \cdot 1 \cdot 7 \end{array}$$

8. Ans fair

Sworld-pression

$$= \frac{118 \times 18}{2} = \frac{13 \times 10}{2} = 130 = 130$$
$$= 190 \times 149 = 1330$$

10. Anv. (a)

Cumpid e cares dipoi i gradural nomano

$$-\frac{2(n+1)^{\frac{n}{2}}}{1-\frac{n}{2}}=\frac{n(n-1)^{\frac{n}{2}}}{n}$$

$$z = M_0 a c + \frac{2(n+q)^2}{4}.$$

11. Aris (a)

$$R_{\rm p} = 700$$
 . Of a lowes of an A.P.

$$=\frac{1}{2} \left[2 \theta + \left(\theta - 1 \right) d^{\frac{1}{2}} \right]$$

Where are brothon

B = 55590000 d Televice

$$\Rightarrow \frac{\frac{n}{2} \left[2 \times 3 + (n-1) \times 2 \right]}{\frac{n}{2} \left[2 \times 3 + \left(25 + 1 \right) \times 2 \right]} = 7.$$

$$\Rightarrow \frac{2(2^{n}+4)}{3(2^{n})} ...7$$

$$\Rightarrow ((\pi^{5} + 1) + 259.140)$$

$$\Rightarrow \neg f \circ \Delta = \neg (a, b, -c)$$

$$49 \cdot 4 \tilde{f} + 3 \tilde{f} + 3 \tilde{f} + 3 \tilde{f} = 198 \pm 0$$

$$\Rightarrow n(n+3/) - 35(n-37) + 0$$

$$\Rightarrow ((1-55)(0))(0)(07) + 0$$

12. Ans. (c)

-Supposition variation from Eq. () and the rest of the first section $\frac{n(i-1)}{2}$

Complete source of the transplantation or grows

$$=\frac{f(x)f(y(Z))f(y)}{f(x)}$$

$$y = \frac{p(n-1)}{2} + \frac{e^{-t}}{2\pi} \frac{q(p+2)(2n+1)}{r_0}.$$

$$\Rightarrow \Delta = 1 - 15 \Rightarrow 1 = 7$$
.

⊣3 A15. (c)

$$(1 - \frac{3^{n} - 1}{3} + 2500 + 3 + 24005 + n - 3)$$

14. A^S (6)

$$\mathcal{E} = \frac{\pi}{2} [2 \cos(\tan m + \cos \tan m)]$$

Where a = 4, a = 12/4, a = 9

$$c = |S_{ij} - E_i|^2 + |E_i|^2 + |E_i|^2$$

log 2 HighE-fit.

top (37) Margus Alic.

$$= |2|\log|2| + (|--\cos 2 + \log|2 + 3)$$
$$+ \log|2 \times (24 + 3)|$$

$$\implies |\log(2\pi + i)|^2 - \log[2\pi + i\pi]$$

$$e_{2} \cdot \left(2^{n-1} \right)^{n} = 2^{n+1} + 6 = 2^{n} 2 + 3$$
Let $2^{n} \cdot 2^{n} \cdot 3^{n} =$

$$\cdot = (\gamma + \gamma' + 2\gamma + 3) + (\gamma' + 2\gamma + 4 + 2\gamma + 6)$$

$$+,\quad y^{\alpha}=x_{\beta}=3\sim 0$$

$$\Delta x = (\gamma + \epsilon \delta) (\gamma + 1) = 0$$

$$\rightarrow - \nabla \times \Omega + 1$$

$$0 < -c = 20 + 6 = a \log 2 \cdot \log 3$$

$$\label{eq:continuous} |+,-||_{L^{\infty}(\mathbb{S})} + \frac{\log p^{\varepsilon}}{\log p} \to |x - \log p_{\varepsilon}| \mathbb{R}.$$

i B. Ane.(a).

Later to the media media C. Please rice Le com 1954.

ur in Heisar of Jarms of a G. P. april authorit, art, exit.

x = 7r indite in $= 8r^2 = 4 \Rightarrow (8r^2)^2 = 15$



- "Ionari/Simmin", pⁿ tathorare also locespectively. two pines to a Jacob in a profession will be either valuas na
 - $(a_1, 0)$

- (A)) (a) (b) (A) (A)
- 2. The curvef or the odd 3 digit megers which AS pivis bie by 9 kg
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- :ii : 07900
- (c) .35100
- If first, thing 4 has took of all 4fr the at 0, 2s. apspectable input is surface
 - (4) 4.5
- __if(| 38b | _______
- $(c) = \frac{280c}{2(a_1 a_2)} \qquad (c) = \frac{68b}{2(a_2 a_2)}$
- 4. If |z| < 1 and $|z| = s^2 + s^2 + s^2 + \dots$ then s > 1
- NA SE
- $(c, \frac{s}{1/2}) = (c) \left(\frac{s}{1/2}\right)^{n}$
- A conference 25 m to № second (35 merces to)⁸⁵ second: ± 6 matrix $a_{11} g_{12}^{-1}$ second and $a_{12} g_{21}^{-1}$ on $Haw(a_{11}$ hwilinave pi37 recent.
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$$\left[\pi^{2} + \phi^{2} - \phi^{3} - \phi^{2} \right] \left[\frac{1}{r^{2}} + \frac{1}{r^{2}} + \frac{1}{r^{2}} - \frac{1}{r^{2}} \right]$$

- 8 Tage spilePipe 8, 4, ill applia GP Site 19 ill., ill taken icto 190 i tovarrany ramo will be the siwliid's ale samma libbari

- (a) 2%
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- I vacced form of an APB equal to the 3 Horn of а вери Ал What of the arm (ni? _{Here} g) 840 cm. Affiles the sum of first tarming others AH is: divorcing to
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- 12 Гориал (маст Едуса в д СР 11 & франциональ) is the reliable corresponding Antenina y leading $\epsilon_{\rm BB}$ AS notificable of the size of the following programming Programme and the con-
 - $(r) \in \mathcal{N}$
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- 13. Find the sum to into tests \mathbf{m} if the $\mathbf{k}_{\mathbf{k}} \in \mathbf{k}_{\mathbf{k}}$

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- igair ig
- 16. Let (1, 2, 5) = (5*1) + (6*1) + (1) + (9*1) + (7*1) + (9formed by lading a deciment of Sissorthy Fig. 1. or diodeding at 95 1 War Lineve uplying the temperature
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Schullman

And the

Lot that term took of

$$z + (n + t)d = a$$

$$\cdots \qquad \qquad (m-n) = n-1.$$

$$-x \cdot ((x \cdot 1))2' = 0.$$

$$\stackrel{\rightarrow}{=} (2 - p) = 0 \cdot c$$

$$(x+i):=1/p_x+c$$

$$\exists \delta \qquad (p_i \circ m_i) \Rightarrow c \quad .$$

$$\begin{array}{lll} (2 + C^{1,0}) & & \Gamma_{i}^{1} \mapsto \Gamma_{i}^{1} (0) = (2, + 1) \left[(2 + 1) \left[(2 + 1) \left((2 + 1) \right) \right] \\ & & + \frac{1}{2} (1 + 0) \left[(1 + 0) \left((1 + 1) \right) \right] \end{array}$$

e elsion

First the gottining of distribution $(t_0,t_0)^* = t(t_0)$

- State Richard Chiefe division Laborated
- i di 1968 yang Papulan Labi

$$\Rightarrow \qquad \qquad \text{SSSS} = \{0\} + (r-1) \} g$$

$$\sin(\frac{100}{2})100 \cdot 900^{3}_{11} = 50 \cdot 1100 + 500$$

- Area (a).

Common difference – (billigh)

$$-37^{\circ}=7+(1-7)D^{-1}9$$

$$\rightarrow \frac{9}{5-4} \approx i - 1$$

$$\frac{1}{2\sqrt{3-4}} \frac{g}{2(3-4)} (2A + g) = g_{\rm BM} - \frac{3 g}{2(3-4)}$$

6 Ann. (4).

- $\begin{aligned} -\varepsilon(1-\sigma^2) &= \varepsilon^2 \\ &= 2\sigma + 2\sigma^2 &= e^2 \end{aligned}$

$$e^{\pi} = \frac{8}{16\pi}$$

$$e^{\pi} = \frac{1}{16\pi}$$

- 5. Aps. 96.

All acted you said for an egyptic population (a.g. 4) Tripped planshos rowe.∌Jiy

$$370893 - 21 - 25$$

$$x:\psi_0=\otimes_{\mathbb{R}} g_1(g)=\{0\} \circ q_2(g)=\frac{1}{2}.$$

Stiffe (1828 Year) (Year Little

¹⁶⁰కలు, v న (15 x 10 క 15 గ్రా

$$g_{ij} = A_i \otimes A_j \otimes A$$

д. Арэ. (c).

Applying AM 2003

$$\begin{split} & \frac{s^2 - b^2 - r^2 - a^2}{2} \Big|_{s = (s^2 - r^2 - a^2) > 0} \\ & = \frac{\left[\frac{1}{a^2} - \frac{1}{b^2} + \frac{1}{a^2} + \frac{1}{a^2} + \frac{1}{a^2} \right]}{a^2 - \frac{1}{a^2} + \frac{1}{a^2} + \frac{1}{a^2}} e^{\left(\frac{1}{a^2} - \frac{1}{b^2} + \frac{1}{a^2} + \frac{1}{a^2}\right) > 0} \\ & = \frac{\left[\frac{1}{a^2} - \frac{1}{b^2} + \frac{1}{a^2} $

$$\lim_{n\to\infty} \frac{1}{n^2} (e^{\frac{2n}{n}} + n) = e^{\frac{2n}{n}} \exp \left(\frac{1}{n^2} + \frac{1}{n^2} + \frac{1}{n^2} + \frac{1}{n^2} \right) \exp \left(\frac{1}{n^2} + \frac$$

in the minimum a_i becomes 1.

g Add (b)

ternalA sunting maily cool Joil become about Qiff and since the common diff. In the early one vat Europeopin consecutive il terms

Some, variation set $x = \frac{100}{100} = 25$

9. Aris. (6)

$$\begin{aligned} & = \nabla_{x} - \nabla_{x}^{2} + \frac{1}{2} - \frac{1}{4} \\ & = \mathcal{E}\left(\frac{S_{1}(x_{1})}{S_{1}(x_{2}+1)} - \frac{12 \pm \frac{1}{2}}{12 \times 9} \cdot \frac{f_{1}(1)}{12 \times 9} \right) \\ & = -\frac{12}{S_{1}(x_{2}+1)} + \frac{3}{2} \times \frac{4}{7} - \frac{3}{7} \\ & = -8 \cdot S_{1} + 8 \cdot S_{2} + 8 \cdot S_{3} \end{aligned}$$

ை காது (பு) .

$$8 + 6 + 6 + 6 + 6 + 6 + 4 + 5 + 15$$

and 1975 - 9016 - 901 1876
 $8 + 7 + 901$ from support numbers
 $= 15 + 10 + 59$

11. And 30.

 $\overline{\gamma} \not\in_{\mathcal{B}} \mathbb{W}^1$ into a complex SUF when completing e as γ

Yearer olden dat der 1906.

$$= 500 + \frac{50}{3} + \frac{50}{3} + \frac{50}{5} + \frac{50}{3} + \frac{50}{27} + \frac{60}{27} +$$

$$= 10^{\circ} \left(13 \frac{1}{2} + \frac{1}{10} \dots \right) \cdot 10^{\circ}$$

$$= \frac{1}{100} \left(\frac{1}{1 - \frac{1}{3}} \right) \cdot 50 = 100 \text{ m}$$

12. Ars. 540

$$2(2+1) = (7+4) + (1+4)$$
as
$$2q + 9 = p + r \qquad ...(4)$$

$$3 + q + ... + 5$$
 (2)

Sviskling no bg. we get

$$(r + 5) (r + 6) r = 30$$

13 Ars. (d):

$$s(\mathbf{r}) = \frac{1}{2} \cdot 0 = \frac{1}{2}$$

14 Analici

Some possible value of notifice the contract. Jacobra of 5400

36 yang Kabup 3 Al 5-90 in $2 \times 4 \times 2 = 3 \times$

In this we can restrict use f (so $f \sim f = f$

347.2

Who is not sociaplacte of that cossiour is

n. ors. is:

ha serias. $\gamma = 3.4 - 3.7 + 7.10 \text{ so } 3.43 +$ Company of the Compan $\mathbb{I}_{n} \dots \mathbb{S} = \{ (n-1)^{n} \}, 1 = \{ (n-1)^{n} \}.$ dang 10 taya 10 . 60 + 31 -3 - 73.11 52.1 27 $= 3^{\binom{k+1}{2}} \cdot \frac{\binom{k+1}{2} \binom{k+1}{2}}{\binom{k+1}{2}} + 3^{\binom{k+1}{2}} \binom{k+1}{2} = 1$

$$\begin{split} & g_{ij} = \left(2 \ln x^{\frac{1}{2}} + 2 \ln x \right) + 2 \ln x \frac{2}{3} \times \ln x = -10 \\ & g_{ij} = (4.15) \end{split}$$



Permutation & Combination

ដែលដែលដែរនិងវា Principle នៅ។ សហរដ្ឋភេឌ

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Andrivo Bula

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in the my wares

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 $8\times 8\times 1\times 2\times 2\times 100 \,\mathrm{mps}$

2. One carry there are Zumopods, 90 drys (single, 5) augmit carry of are invied, 3 terridend concensors of a two poreant on apparate sex, a glowed a concense between courses is not a layer, [p.3] from many hall disheres (congruence in a period.)

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Hence saying or panda a real

 $= 25 \times 68 + 260 \times 400 + 580 \times 790 + 1930.$

Pennutations

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$$E = \frac{1}{12\pi}$$

Evaluation restaurants of in the quasi-skin data of in the gas $2k + k^2$ outlings ± 0 (c.

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Сотопиделя

. Compliations a basically satisfies at a group of . Comen Engage at Ugica (astum compliation of tea . of things a not massler)

Остривающей продрежения ужущего или

$$\mathcal{D}_{i} = \frac{\partial \mathcal{D}_{i}}{\partial t} = \frac{\mathbf{D}_{i} \cdot \mathbf{D}_{i}}{\left\{ \mathbf{D}_{i} \cdot \mathbf{D}_{i} \cdot \mathbf{D}_{i} \right\}}$$

Specie: Notes

And the impedied of dy not cooking superprising the name of collider published continuity in the name of continuity to the name of the section of the sectio

Fai dann pier

15 Shy mai meto 3 Digit northe lognite mode uding ognit 0, 5 -kenty nice i I kowy possipla rorte 128 Toxorberis reportantechnopolinosasyo is 8 de anko If I say out on a group or involve the other in bow in bow many ways form in the ifferentiables in Heavy out on Turnerit, you was expensed in I safety, you into way with be some group, and price some or in the expense of the expens

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iden berefebrikki atenspiradisin duan galakarin adi ne

$$= \frac{C_{i}}{C_{i}} + \frac{\partial}{\partial t + f \times f}$$

 Inher of triengement of in terms of water Hill one of a chape, ignored only pay regrete astron.

Action benefities undurable of distributions where each time is distributed used by a number of time (40400) alogae, (40400)

bundent begys at selecting ϕ and then ϕ updates ϕ in other terms $\phi \in \mathbb{S}^{n-1}$.

$$-2C_{ij} = C_{ij} + 2C_{ij} + \ldots + C_{ij} + (2C_{ij} - 1)$$

Division bilbigmuna

Discuss (Pin of incompative grave of Edding ϕ through a name ϕ

$$-\frac{(2\sin n_{i+1})}{2!q!}$$

Special Candle

👸 Lik Cho (gli il 1 sgri nevi granici ni ng isatab

$$\sup_{k \in \mathbb{R}^n} ||f(x) - f(x)||_{L^{\infty}(\mathbb{R}^n)} \leq \frac{|f(x)|}{|f(x)|}$$

(in Dividing Committees and the scenario group of P

i.aks each =
$$\frac{(\pi \gamma)^{1/2}}{(\pi \gamma)^{1/2}}$$
 j.

Circular Fermiotationel

Number of excluder particulations of hidelical trage ... (a = 10) [which obsolving 6] and proporting are igenerative different.

$$=\frac{(r-0)}{2}$$
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strange ferhals hut differe C

Partion Hills

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Casson.

When the properties of the
$$x_0$$
 - x_0 , x_0

Casa-7.

Wile lead reason replies to reven least one tring.

The west-remove of wave in which is spectrum and commutatively lawing value $\chi_{\rm c}(\mu)$ but $\Gamma = 0$ and $\psi_{\rm c}(\mu)$ dispersions and spectrum and $\chi_{\rm c}(\mu)$ at the second and $\chi_{\rm c}(\mu)$ of a fine and Sissers.

$$\int_{\mathbb{R}} J(t-1) (t-1) (t-1) (t-1) dt$$

Spirk: App Nanal Folids

$$\begin{array}{ll} \frac{1}{2$$

_1_1_1_:



Solved Framples

Directions (QC) to QC(): Here changes tight nor have an equivalent to a Sight 1–2–3, in 8, 5 %

When seen digit is distinue?

- 10) 1520 1530 0 10) 1520 - 150
- -1-1 ----
- A(t) = 0.03
- (0) 870
- (a) interaction to
- Are. (E)

2. Wile nepetitor, of cights is a preof.

- 1:1
- 1:3 %
- 7.1
- for himselfhood

Ara. (c)

$$(T^{\mathcal{A}} \Rightarrow r + r \times r \times r + r + r^{\alpha})$$

8 - What is standard out to one to complete

$$(9)^{-2} \pi_{\frac{1}{2}} \times V_{3} \cap V_{3} \times SR_{-1}(1) = \frac{19}{2} (10^{-1} \pi_{\frac{1}{2}} \times V_{-1} \pi_{\frac{1}{2}} \times 22$$

(ii)
$$\frac{1}{2} \times 11111 \times 24$$
 (iii) None or that we

COLUMNATION 125, alOS

locality, size by -+ 1.3 $\pm 5 \times 9 \times 2 \times 100 \, m_{\odot}$ his reservoir number at a installe said (digition). OLIVERA 4.5 B. AMBOSTON ASSESSMENT OF SPIN OFFICE

$$\exp(2\pi i g) \log (\pi i \log g) + \exp(2\pi i g) + \exp(2\pi i g)$$

SACTO hastern will be approximental input σ_{ij} in G^{ij} ം ജെ 1000 para, 10019 padendi

oversite. Tall randominantly edginery tas

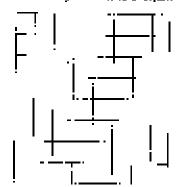
$$= \frac{(25)}{7} \left[1 + 2 \left[(3 - 4) (3 + 5 + 7) \right] \right]$$

Horresonator such a more entitle

$$=\frac{1230}{7}(2+2) \cdot (1+3+7) + 3+7$$

$$=\frac{1233}{7}[19][111]=\frac{7}{7}[28][1114]$$

elitoratorii (Q.A.to O.a): Ranky is sieguaro γεν χ∏5 k β.



FXanno e 4.

 $T^{\rm of}$ also shall No. It signates in this $\xi \cdot d^{\rm o}$

- iri 304.
- illi att.
- (5) (14)

- ...) Plant of these

Аги ја:

60 140-0 1 x 2 tip 1 x 94

超级的作为名词复数 计自动线

Soman Ехбигі, Бек

`Կիմնթա` / ... Հարհա ^{ին}

 $10.866 \pm 0.088 \pm 10.01 \pm 12.00$

Clour Incero) against

$$z = z^2 - 2^2 : (\lambda_1, \dots, \lambda_n)^2 = 2^n a$$

Like $(0.00\gamma)(0.04\omega)$

Fee mote 6.

What is take numerous regressing our mittings of

- (5) $SE \times 33$
- 100 05 k0£
- arii 34 k.‰i

- 751.80 .02

Artes (c.)

To the wild the example we head to solutions, but both the stylich our proportion $s_{S} = {}^{t}C_{s} w_{B} y_{S}$

1. Par 100. Mai went auf teorem en den begannen.

as – ≦Cuwaya

 $0.14~\mu$ C of 2 . Sometra with intrizon of three spin, μ STE ON INEXA

Lengarry into Bendirector play are

$$e^{-3} G_{2} \approx {}^{1} G_{2} + \left(\frac{2 \times 9}{2 - 1} S_{1} \left(\frac{2 \times 9}{2 - 1}\right) + \alpha_{2} - 36\right)$$

rtame o group(s)

e≋ntpleβ.

Hit will be virtal ranging of the entroling intension agree intension

- in: 54
- (*) **35**
- gá Xi
- 757 99

∂vna. (c).

Figurangles of

1× 7 × 3 1 1 3 × 4.1 × 5 + 7 6 + 7 7

 $1 \times 9 \Rightarrow 9$ (contains)

 2×2 , 2×3 , 2×4 , 2×6 , 2×8 , 2×7 , 2×9

a i7raalki g≒yi

 $9\times6.8\times1,0\times8+:6.6_{\rm coloring}\,c_{\rm B}$

 $7 \times 2, 7 \times 3 + 2 \cdot 9 \text{ and } g \approx 1$

 $\delta(x,\theta) = 1 + \epsilon \log g \cos \theta$

Hardle . Salt of otherwigles

-317-8+6 4 9 8 24 1

= 35) edia gles.

Bhection: (D.2 & G 8), from signify points is a plane Southied of the cottees.

Everaple 7.

Raw different havingles, dias is a mit divide it growers 1.1 years.

- Aπε. (a).

to instantial glowenest 2 landed resigning

- O milli 3 common reasers od m³ figuseys but in mis selection 10g sets thorax a act his case or ribero 4 ports are colinear makes but in tendineas by 190 gran
 - $\mathbf{F} = \mathbf{M}_{r_2} \mathbf{M}_{r_2}^{\mathsf{o}}$ Option (c)

Esemple S.

High over each transfer at the constraint ${\bf P}^{(2)}$

- $\{(a): A \subseteq A \subseteq A \}$
- $|(0)^{-2k}|_2^2 = |(0) 1|$
- (A) (B)(1, H), (1)
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Ars (b)

To decorat to in a this else peed two points out of TO perforces can salbet 2 peints in ^{Pr}Outways In this In this selection 4 posits are tradequisment only to ethics sals

- i organish prace of lass
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Example 6

in rowngany no nin egat, se ni teura, edibliki nji 1881/16. par ogsatu i belove

- q=q=2-30-200
- . (S) ^()
- 700 24.
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- Vig Najedineve

-∧na. (cii

(a given was to ingomestic solution by 20). It is a solicition of particular, 90 through to be destricted a range $x_{\rm cyc}$, visually follows: on the solutions.

Har segment of the magnetic magnetic field $\boldsymbol{\theta}$ is

$$= \frac{10 - 1 - 1}{10} \frac{1}{10} = \frac{12}{10} \frac{1}{10}$$

Homosopiis (tati

Ехапре 15.

il Jegorga ya kan isti marehe se tabun basa basa bibi. Tenggabian defaksi

- $|\alpha|+|\alpha|+|\beta|+|\alpha|+|20|$
- :hi ∸∵.
- 山市 中方度では665g

Analist.

- the problem scalars partition is as copyring the most risk to some type A wishout light at expect the thresh concentrated weeks $= \frac{20}{3} \log_{10} (-15)$.
- Herebounder (0)

Example 11

There are 15 decide to be seen where not income 180 at 15 new many wave connections, as even soul. Share

- need is no restriction.
- 160 140
- [.:] Ib.
- $p \in \mathbb{R}^{d}$
- ... 1...

Ana (e)

Normal templer to mutation = 135 - 100

Hanadesilanda

- if () Such matta politico ar descent A, D, C sis all ways topether.
- 9.i 12
- 10) 10
- (c) $(C) \times C$
- (30) 141 (23)

Wits. (Cit

Canador the collection of the single group red Taking stag (2) respected in group which can be unlarged in 113 × 10 leads but 3 persons (1 in 2) p can be arranged to be seen.

Here electricios districto di acongectionic

- -1.00×30
- Horse action (a)
- (iii) Suphration A, B. Cliail Three are naver logalithm.
- rational vide
- Black 121 (1778)
- (00.115, 0.162)
- $0.61 \pm 2.00 \times 100$

Ang This

Total not of reacted permutation at

- (post turnu a lossamatora) (pia lor cultur den cost a six en al 3 a a (0)404 (
 - 1 + 19, $10.3 \times 0.9 \times 1.2$, $10.4 \times 1.9 \times 6$]
 - $[-322][1223, 24] 122 \times [-367]$
-) in the $r_{\rm P}$ on (L) .

بالالا



Solved Drawquies

- In the access question new two year medicines as as brings, when repoints as a level of
 - Note that we have been about the transfer of the have been we have a second any a in two of note da as a > 4 and a > 4.
- Brownian, who part peromet by (x) righters of only MADANY

Baltino In MA 44M college.

- 2 4'6
- 2-22

Soletical read entry wave or temporal course are

$$\frac{3}{2! \times 2} = 36$$

 Of the Alderon words had can be in uncommissions of word Mark. To box many became of histograms with 4.

 $\operatorname{Substant}(\overline{\mathbb{F}}_{2}[[1], \mathbb{F}_{2}[[1]]) = \overline{\mathbb{F}}_{2}[[1], \mathbb{F}_{2}[[1], \mathbb{F}_{2}[[1]])$

(4) which is a constant at the same of a characteristic form of the particle of the particle of the particle of Alberta.

4 Bis board of the Hause to enjoy a more. How meny waves of all high subgeneral control desciolar more entropy were more expenses.

Solution (F,D D) $q_1q_2q_3$ q_4q_5 q_4q_5 q_4q_5 q_5 $q_$

 $\mathbb{E}_{\mathbf{j}}\tilde{c}_{\mathbf{j}}\mathbb{E}_{\mathbf{j}}c_{\mathbf{j}}\mathbf{h}_{\mathbf{j}}\mathbf{e}_{\mathbf{j}}\mathbf{h}_{\mathbf{j}}\mathbf{e}_{\mathbf{j}}\mathbf{h}_{\mathbf{j}}$

index ϵ is synthetic massion masself give an enjoy together:

when we splitted by a need $r \times c_{\rm total}$

Mow gire can be an argue in many throughouse the

- 4. Way see to at the Europeanor quantities with the contribution $\mathcal{F}^{(1)}$, the constant
- 5. In the above quasium find number of ways or awaregar or his olsegons sit appoint.

Sulphon: This current was deposite to compare mention. By Ru-3, ω_2 Ru-0.

Historial, bays can be only good to strongly in the experiment S_{ij} and S_{ij}

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Salaron Line de al al Line Line

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7. If not many unitarity, currences by formation to the Discovery course valueting any number of currency of 5 (constant in coording) paint, 195 pages 10 yang, 1996.

Subtom Asia metricine the found by selecting other flow that 3 or it are easy to group;

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for Albertia Stromenol beautications at $\mathcal{S}^2 = j \mathcal{R}_{DM}$ A swarter \mathcal{S}_{D}

- 9. Cated 15 John his panel to set is place of theat own care margin has be termined. Southour flat, 15 public permitting the argument of a country of is case, at so the 5 country permitting a factor would have been counted as RO₃ who was hosped would have been counted as RO₃ who was hosped would have been counted as RO₃ who was hosped as also have been counted as RO₃ who was hosped as also have been counted as RO₃ who was also accordage in market in a region.
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- 10 in a cindrover sillustron intermenty meskylt, kell per lement for politisk are contineed.
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Practice Exercises (

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(8) - AU

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6.5 P

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 - (4) (4)
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Solutions

- 1 Ans. (5).
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$$\frac{1}{\binom{k}{2} - \binom{k}{2}} = 1$$

- z Ass. (5).
 - Notifier refored 2000 and 5000 are founding nameda a levi our 2 iz no indiaga.
 - $\{i_1, \dots, i_{l-1}\} \subseteq \{i_{l-1}\}$
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$$3 + \frac{1}{(7-3)!} = 210$$
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- C A (c (b))
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 - o Black Gameit & Closes
 - Also floor for all larger and 31 incass that ya
 - $7 \times 5! \times 6! \times 3!$
- Analija)
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 - $y_{\mathcal{L}}(A_{x,y}^{*}) = 2 \mathcal{L}_{\mathcal{L}_{x}(A_{y})}^{*} \mathcal{L}_{x}(A_{y}) \mathcal{L}_{x$

5 And Jal

$$\inf \{ (A \cap (A \cap A) \cap (A \cap A) \mid \frac{b_1^2}{b_1^2} \neq 0 \}$$

$$\frac{60}{2^3} = 50$$

7. Ana. (3)

). PATRALE is not obtained there only logic larger A-NA IT Afterior mane site (Als Als).

$$Se_{1}(\frac{2}{23})\leq 2$$

C And (6):

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3 Are. (a)

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10 Ans. (3).

n_CCL > TON Increasing a Sevel A. F. 其负面调制。 of control (on section 8.2 Fig. 1) to the countries onargements on the FINE (1999)

i II. Ansi (e).

Distribution of straights into-

$$-250.070, +1-290$$

12. Ans. (b)

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13 Ara (6)

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14. Ann. (5) - -

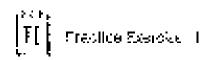
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15. A k. (d)

 58 bookstacker (evel of anniv dig trumper i rea We have that take because \mathbf{J}_{i} , $\mathbf{n}' \in \mathbb{N}_{+}$, $\mathbf{n}_{i+1} \in \mathbb{N}_{+}$, \mathbf{J}_{i+1} by the illea, rus dan ee datah.

$$\frac{3!}{2! \times 1} = 15.29999$$





- 1. Пре в это 15 truscs галангр остукал Фенні 5 Mainbar Innervidenty ways can oppose up to populary). ക്കാൻ നിന്നിയ പോടെ ലെച്ചുട്ടി
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- A turnam of the passworld to seem eighted from confirmation see into salts, though that groups at the 19 tubblich in Sie bare zeit begroßt tuber ville. V De name despendant des les questions du $E \mapsto \{0, \neq \emptyset\}$
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- ខុស្ត អស់សហរដ្ឋស្នាល់ មានអាច ហើយពេលមាន ទៅ សំខាន់ស្ថិត សហរដ្ឋា termed with the non-basis of 5 U 3.52
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- 200, 25
- 17. nowe hasy wege out a position the whole of from $g_{\rm C}(z)$) for $z \in \mathbb{R}^{N}$
 - (4) 872
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Salettana

- Area (d):
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- 2. Ans. lot
 - Since the first exercise, contains 1 value from the current we was all the esting that it is used in the law. Suite fresesco vi sivercise conzins 12 questions: laren imperessaya arutheology die second eriem en з 12 несов су паписатили розорта, тип gave, a sicon po se poteción $\mathfrak{M} \times \mathfrak{I}_2 = \mathfrak{I} \mathfrak{J} \mathfrak{J} / \mathfrak{m}_{\mathfrak{M}} \mathfrak{M}$
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- 4. At 8. (c)
 - one the last offer can be set many one of the Birthelmas ti Swaks (Soomile la loyaba pubic any tre of the enterior in evelopped in 4 weapti Continue in this ways on gettle roal number of жауыл жүриб ете соғы (нодолоб экундреа
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G. Ars. (2)

- ii) Who is appointed on eligible to it have a Since estimate to the authority of the some maximum of the control of the page can be find up by 1, 3 or 8, 1, will, in a ways.
 - Figure 19 let is diquited the fibration by one of diener eithing the gibb in 5 ways and then the bunched's in an all said by lifted up the tensiling distance in a ways.
 - Notice the minimal of the \mathbf{w} -distriction can be signatured for the $\mathbf{G}\times \mathbf{G}$ and
- (1) Whe nebblich of digral calmed Lager, the unit open content Plet but to Utility, more, in A + 6,9. For the length of the day of the stage and digits in a second of the transfer of the second o
 - Hereafther under of the half-place is a map $\mathfrak g$ this combon or mad
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7 Ans. (b)

- valvi i imbanamyae i 190 and tubu sont free night, 190 and respectively organization of eigen 0 19, 5, 4, 5, 6, 7, 2, 6, 6, nor allowed.
- ASC 0 cannot be photodron this early renet, place if upper binding has been satisfied in \$1999. For this piece can not that 1, \$1999. On the place can not that 1, \$1999.
- in The talet incompanion vis
 - -3 9 $9 = 8 \pm 840$.

6. Ann. (c)

- $\big(\cdots f \theta = 0 \big) (r-\theta)^{T}$
- $\omega_{-}(n-1), \sigma_{+}[(n-1)] = \beta[(n-1)!]$
- $\rightarrow \begin{array}{c} \rightarrow & r + 8 \Rightarrow r' + r + 8 + 9 \end{array}$
- $\Phi_{i}(f) = \mathbb{N}(f + 2f) \cdot \mathcal{O}_{i}$
- to Direction $P = G(\mathcal{M}_{-1} = 0) = \emptyset$
- $\Rightarrow 0.12571 = 0$
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- · '| .·.

$9. \quad \text{Ans. (a)}$

The word FRSAGON inspections alterated by the statement.

- ... We that the words, then one by the earlies of a substitute of a substitut
 - $\leftarrow \Gamma(\hat{e},\,8) \simeq 5$
 - $= 2 \times 7 \times 6 \times 6 \times 4 \times 9 \times 9 \times 1$
 - **4**3225

20. Ana. (cj.

- from a mass of satisfies $p_{ij} = p_{ij} \cdot p_{ij} = p_{ij}$
- In the tree of 9 at 8 for still element records are γm_{χ}^{2} γ^{2} γ^{2} and γ^{2} γ^{2}
- $\sigma = (D_{m+1}) p_{m+1}$ from the SLEFF. Fig. 1) ways from the p_{m+1}
- . Professing Spaces for the High $p_{\rm c}$ times = Professionals
- A A 1997 POSS George on the production of
- indical and to rule to seeing time, among
 - J. Phy. 40 (F(5, 5) = 4 × 1/2
 - > ×120 = 2.60.

11. Aris. (c)

- All different pooks as a Ballamangust smooth Perusakes in a ritch of $\{(\cdot,\cdot)\}$
- $-4 \times 3 \times 3 \times 3 = 54 \text{ wave}$

12 Ana. (d)

. We note that the contraction of the strong problem define the θ

$$-\int \hat{J}_{ij}^{\mu} - \hat{\sigma}_{ij}$$

- Dat wo case for expect the numbers which begin will expositive that the particle of a nation consequence of Parcolla.
- $760\,\mathrm{Ge}$, leaveguires number -846
- 777 120 L 699

13. Arie, 13)

- The organization bands are originally subgroup point (although of the 10 objects) $t_1=2,2,3,3,3,4$, t_2 is take 3 a value at take 1 a condition $t_2=0$, $t_3=0$. It take the divides $t_3=0$.
 - = 510 Gt | 58 Zt
 - __ :: !:

 - $= \frac{10 \times 9 \times 3 \times 7}{1000} \times \frac{9 \times 79}{1000}$
 - 10-92-528
 - -3.49 32 = 310

_^;4, Ans √8J

- ALG Lifeting resonances where $2.5, \, (41-5)\,(14)$
- <u>(1,1-8 and 1-8</u>
- (i) Since two Wears always bayester, we take being the Alaks one legat.

lie is the number of arranguments, then

$$p=0, \ = U\times S\times d\times S \cdot \mathcal{A} \cdot (1-493).$$

(ii) Food number of permutations

$$q \sim \frac{7}{2} = 7 \times \frac{3 \times 9 \times 9 \times 4 \times 3 \times 9 \times 1}{2 \times 1}$$

In these permutations, in some permulations, noo As are logisted while in the residency along the fitting of the fitting the fitting of the fitting of the contraction of the fitting of

$$\alpha = 0 - 2522 - (20 - 1800)$$

15. Ans. (b):

Considentes Prove word: PhAPAT had eaters, switie, Ad archaine.

$$x$$
 . Number of permutations – $\frac{2\pi}{2}$ – with

Number of words in which if such Hilage viewer specified.

High cumbers) weres in market-roots in witch. Bishtidfale stætter

$$-360 + \frac{3!}{2!} \cdot 2! - 380 + 130 + 290$$

1/6. Ans. (c)

n= tow' not of beasis = 6 + 5 = 11

$$P_{i} = B_{i} + \frac{1}{2} = 0$$

n. Bot di different neckesse.

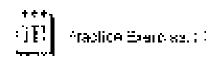
$$\#\frac{16^{-1}-19^{2}}{(2.80)} + \frac{369}{(2.69)^{2}}$$

$$=\frac{(2.9)8(2.01)}{(2.00)(2.01)(2.01)} = (3.2.7 - 2.0)$$

 $27/3 a \approx (c)$

PARKULE DONGER LASES = CESC, St

15000



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- e: 96
- ááil Nona claricae.
- 5. A constant this is party out of known and real and the control restant by a linear many provides contained and secretic of 3 collector country maneral and according to a secretic according to a secretic according to the secretic according.
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- [00]
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 Then the number of words policy see alless, or a elementation.
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- 6. The persons 8 (R, C) its subtilities using sections to a consular transfer at 1992 to each piper to mediant that is presented why again the self-value people set.
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 - $\varphi \in \Pi \Sigma \{0\}$
- **(b)** -0.380
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- nd: inz
- 10. For highest (**Theilland Ground France and police school of military propriets that the control of the school of the control of the school of the sch
 - الدائر الإيار
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- ্ব; ক্রেড়
- 11. Floolygoning sealing and still represent the still stil
 - (a) I
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- 11. E
- 12. A five digit current consider by a pitche termon using the numerous 0.11, 2.73, 3 and 5 without reposition. The budit unicer of ways in which it is earlier conduct.
 - 34. 27%
- thi 246
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- 13. Decidely tailed option withherem #[17] parelies with military site second by it of mist reduce their
 - 10 : 72
- (6) PW
- $\hat{\mathbf{p}}_{i} = \mathbf{p}_{i} \cdot \hat{\mathbf{p}}_{i}$
- (d) number these
- 14. A poor importal electropolistic consists when they are consisted in the consistering to a chapter, in an information of the consists.
 - $(i_{\sigma}) = 2$
- $\{\omega\} = \{\{a\}$
- (43) No.

ニニココ ユ

Solutions

i Ans (a)

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ab = 2 for (2 + 1)

v. Ans. (h)

The page of season on a fill regi-

- If Yes be, troubed to the control throughout the reven
- (f) Precibate condition tradered in page 5 per 1
 c) the basen

Tale transfer of ways in which is no dominating only a kiddes can be discent

$$\mathbb{C}_{+} \times {}^{-1}\mathbb{C}_{5} + {}^{-1}\mathbb{C}_{5} \times {}^{2}\mathbb{C}_{4} + 16ss$$

4 Aris. (a)

THE Allare is bowlers, is relinked Headers and Tolombotton at ABIT is number of ways in which a serior of bowler. Pleasers expenses distribution controllers

- $= \mathbb{E}(\mathbb{E}_{x, x} \setminus \{\mathbb{C}_{x, x} \in \mathbb{C}_{y}))$
- $-105\times 700\times 1000$

$$=\frac{C-\epsilon}{8\times 1}, \quad \frac{2}{1} \times \frac{4 \times 4C \cdot 8 \times 3 \times 7}{6 \times 6 \times 2 \times 2 \times 8} = 20 \mu r \approx 1$$

5. Are (a)

6. Ans. (b)

$$=\frac{2}{3}C_{\mu}=\frac{15}{3}\frac{2}{5!}\frac{2\times 3\times 51}{5\times 2!}\approx 3$$

7. Apr. (a)

$$102 - 20 \pm 60750$$

Ans. (b).

$$4! \times 2 \exp_{0}(i.8/21 \times 2 + 4)$$
.

3 Ana. (h):

$$1.14 C_{\rm S} \times {}^{12} C_{\rm S} \times {}^{12} C_{\rm S} \times \frac{3 \times 3 \times 2}{3 \times 2} \times \frac{3 \times 3}{3 \times 2} \frac{7 \times 6}{3 \times 2}$$

- 16. x 16. - 11.4...

1(1, Aria, (d)

$$\begin{split} & \| \nabla_{2} \times \| \nabla_{2} - \| \nabla_{4} \times \| \nabla_{4} - \| \nabla_{5} \times \| \nabla_{5} \\ & - \| \nabla_{5} \times \| \nabla_{5} - \| \nabla_{5} \times \| \| \nabla_{5} \nabla_{5} \| \\ & + \| \nabla_{5} \times \| \nabla_{5} \nabla_{5} \| \| \nabla_{5} \nabla_{5} \nabla_{5} \| \\ & + \| \nabla_{5} \nabla_{5} \nabla_{5} \nabla_{5} \| \| \nabla_{5} \nabla_{5} \nabla_{5} \nabla_{5} \| \\ & + \| \nabla_{5} \nabla_{5} \nabla_{5} \nabla_{5} \nabla_{5} \nabla_{5} \nabla_{5} \| \| \nabla_{5} \nabla_{5} \nabla_{5} \nabla_{5} \nabla_{5} \| \\ & + \| \nabla_{5} \nabla_{5} \nabla_{5} \nabla_{5} \nabla_{5} \nabla_{5} \nabla_{5} \nabla_{5} \nabla_{5} \| \| \nabla_{5} \nabla_{5} \nabla_{5} \nabla_{5} \nabla_{5} \nabla_{5} \nabla_{5} \nabla_{5} \nabla_{5} \nabla_{5} \| \| \nabla_{5}$$

11 . Ase (a).

lettle om skokites tem.

1. 575 - 210 + 21 ± 756

$$1.765 - 1.24813 \times 0.25 \frac{10^{10} \cdot \frac{31}{5^2} \cdot 12 - 11}{5^2 \cdot 12 - 11}$$

$$1.2 \cdot 10^2 - 56 - 56 = 0$$

$$=, \quad n^{\frac{1}{2}} = 1.96 \pm 9.9 \pm 9.9 \pm 9.9$$

$$\sim (6n - 18 + 8)n_{\rm tot} (1 - 1)$$

$$[e_1, [e_2, 1]^n] = [0, -1]$$

12 Ans. (b)

All perchasions raines within 7, 3,4,5% in the ert beief vided ext.

There are $t_{\rm c} \approx 122$ such communities, θ communities, ect also ectormos, and 0 ché 1, 2, 4, 6, harriere. tizint auch mortera (e. 93. (Tab. n. 5) lifer foor positions, or ϕ and ϕ like the leaf convolutions ϕ the same in turning on;

 $_{\odot}$ log regularization $z=-20\pm0.5$ ±0.5

$$50.5 \times 800.5 = 0.15$$

14 Ara. (c)

$${}^{4}G_{3} = {}^{4}G_{3} = \frac{{}^{5}\sqrt{4}}{2\sqrt{1}} = 13.$$

HODE

Probability

Yոtenduction

The Lindbasi-ty inability digit in the problems degring white the distribution was a integer rulety, contributing, soft in Point (Landbase) (partial rule). Best dasses the outer replies that is or contain. These cays probability as conjugated in beautiful in partial digital problems.

Board such and passe on colos, etc. playing halds (fill films) et da in har genra (is are lasked in les lots othic societ expressible).

Thisny

Provide means the character occurrence or an elemin Mynamics may deal set the little likely root that #700() inglitted as all events will only those exponsion of the deals.

February (-1) =
$$\frac{\text{Number of level itselfs}}{\text{Total Sturiber of premater}}$$

forestanding protectify at participation and in the latter. Williams of electric fall of each state of the latter

$$0.9 \pm \frac{(2.4, 5)}{1.5, 3.4, 5.6} \pm \frac{9.4}{6} \pm \frac{1}{2}$$

Were [2, 4] Elisa devening abords not conversatis and concrited [1,19,8,4,74-46] a.[4] passible outcoined Similarly five load was bullete probability of percing in the Let divig blo aw 3 on at 9 aimple dign or intensity blow to manner impagability.

$$=\frac{(3,8,2)}{(3,2,3,4,5,6,7,8,9)}=\frac{3}{9}=\frac{3}{10}$$

If of twings, termed may be important to learning. Fishbacter on problems, $\frac{1}{2}$

 Arc Aldraw smaller bedseed at paints, of original Or Relate Gross advancement on inchasing (n. 9) (April 9)

- Playing sero. A part. (chileck) of daying cards reseat pages, divided into four curr.
 - (1) 94 44 95 (175.05) 54
 - 120 Ibaria (Michaeloste
 - Hard For MASIS (Section
 - (no. Nine turbon series 2, 3, 4, 5, 18, 7, 8, 9, 10)
 - (c) At Abere single-Geographic substitution when three earth.
 - Accident America
 - Ka ∺eti Garak Ka

Specialists as accords, independently History, and Discourse are red-less apares.

- The single compared largester slight court, you
- Usb essence in Tuelra Revery Nov Acces means (H) and Int(1)

Some Basic Concepts

kandomiczeerlment.

An expelliment of occupant point rule to be among in not provide that in a complexitly larger (i.e., while expension controls a known is runger incommon.)

High (in being all a discussion of a $p_{\rm col}$

Затр e Класе.

This is defined at the contour of a random experiment and of arrest the set representing set the boss provides of the random experiment.

- бу: 11 9ы розброка коюческий поэвос, в нед 1. 14, одві (1):
 - 2. Sumple space when added a largest light of $|c_i| < 5/64$

Evar:

to temperately the described purpose and expendent medical event. Event as making a surface opened to example. Probability of gotting is surface distributionly in a single provide (i.e. for direct conditions).

Here sample suggests s(0.7,3,4.5,6) even s(0.5,0.5) gave ablique comparately s(0.5,0.5)

So probability
$$= \frac{(5)}{(1/3/6)} = \frac{1}{3}$$

yvon Eventi

Thributourne that is proces a of the abstract each to Indonesia.

Ngic in the executable with non-executives in , even in , which we not

thiaces ble Eventi

An event of all order operates an impossible sweet. The provides to office impossible over the fi

āg teimostility starst ransarī āki en a dice will 6. Jacos suntheres (1864), mas (

Mutualiy Exclusive Events

A source of Characteristic Apparation of the Characteristic Characteristic (Boston Characteristic) (Bo

- Fig. 1.—1 hRA-dieroseans bina con ribal wirknot appoint and vive versa.
 - 15 turc singus income a define at 3.
 3.4 Gywin poor apora.

Equal vickely Events

The deviate in ever the series of abblication on propositions are the previous formation of the series of the seri

example. In promover of the the locking of the leving of the own of the second of the

Extraordive Spt of Loan.

A could expert that toledound the creating that a grant sample tenth is seen to be an exhausting set of soevents.

Example: In a lips of collection in the lip to that it and our example in the collection of equation to a

incependent Events

All event is discontinuous strong title confirmation of an about the properties of the property of the regree of parameters event.

Consoler it is of relief on a complete gettermente, of other on the characteristic sectors of the selegate in the sectors.

Conditions/Proceeding

Procedules of the observation to the Algebra that expects on a second consistency of the α

this is denoted by In (A/IS).

Example: The procedulty that it has throws an edges the QELS busined 7 or not regiven distinct or first providing discountable 4 had necessed

Concept of AND and OR.

Whenex I we the AND as the next a conjunction being the separate device of overside in tions we replace the WNO by the multiplication sign.

Example: If protects (is of persons in this example (25%) A and p both (by or example) $p = 860 \in \mathbb{R}[1/3]$ (or Eq.($60 \times 1/3$

$$14 - \frac{1}{5} \times \frac{1}{5} = \frac{1}{5}$$

When ever we use QR has the intend only termine plays into so the plants of the latest treef than, we replays the RR of the replays of R.

Example: If we have the producting of A winning at label so 20 are that of a point A that the contact by that of the α of B with a race is given by

$$P(A) \approx P(B) = \frac{5}{3} + \frac{5}{6} + \frac{5}{6}$$



Solved toampie

 If in oxing a list office, what all a propability of deutig few non-bords??

$$g^{n} = \frac{1}{2}$$
 (2)

$$q > \frac{1}{3}$$
 (d: $\frac{1}{1}$

- 2. First Risk Clearse or under divides an observed suppose increase in risk divide.
 - on j
 - $g(1,\frac{3}{2}) \qquad \qquad \text{alt} \quad ,$
- Is only characteristic operations of Physical Research Both Albah Busteining Energy CV class balls of the Issued asset being replaced.
 - :] :]3
 - d 77

- The condition likes up at random from a peak or 52 sales. Find the probability \$40.65
 - (i) in spaces
 - $(a) = \frac{1}{8}$
- ; ق بيا:
- (1)
- (9.4 arger accord
- $m = \frac{\varepsilon}{5}$
- ;; ;;
- (m)
- $(x)_1 = \frac{1}{3\pi}$
- (iii) 'a sometii vii'a kun nii sipaea ".
- $15^{\circ} \frac{7^{\circ}}{52}$
- · :: :
- :: <u>;</u>;
- ijo). Noba sidlese
- 5. There are well-used. After a the purhaping of gelling 2 intrined. Heart
 - (e) ;
- $(34) \frac{2}{8}$
- $y := \frac{2}{3}$
- $C_{i,j} = \frac{\frac{\pi}{2}}{2}$
- Gallate the statement of the contractive of the two sets of the statement of the sets of
 - $(n) = \frac{1}{5}$
- (b) (
- $\frac{\Delta}{\Pi}$
- ::
- 7. A pageorism of grounders the italiation feedballs are some norming loss in succession windle coalable of What also probably the bounded white?
 - $(\alpha, \frac{1}{2}$
- 100 ±
- $(\gamma) = \frac{1}{14}$
- $2dh = \frac{7}{12}$
- 8 Wist sub-corolally of thosography benging an illustration of the
 - 151 151
- 12.4
- $iet; \frac{3}{5}$

- 9 Fee fair cores are researn. Hindly, representing at lettersing.
 - 21 cods.
 - 191

:: <u>4</u> 8

- (a) _j
- $(4) \quad \frac{1}{4}$
- (II) 11 Sec also in Colt
- $p^{n} = \frac{1}{4}$
- 96 0
- :: <u>1</u>
- $\approx \frac{2}{5}$
- (iii) la tar a
- ĝaji i i
- ipi }
- 30 -
- $13^{\circ} \odot n$ (Fig. 189) given by the first partially by $t \in \mathbb{R}$
 - ${\rm Pr}_{\rm eff}({\rm term}({\rm t$
 - $\lim_{n\to\infty}\frac{2n}{n^{2}}$
- ाँग्री | संस्थित
- $(c) = \frac{16}{38}$
- ැල් ₍₃5
- $f \Leftrightarrow mo > m > 5$.
- $(\pi) = \frac{1}{4}$
- /*; ;
- $\bullet \text{ at } \frac{1}{2}$
- 11. Figures bug containing discribes a to a pack male with rate of see 3 kb and an exhauterome stassegainer. these haves at bloods.
- (4) S
- (=: 4:
- (x) 13 17
- 12 Topicale ale to be essentiam a temperation of a grown of 31% in table 5 for the estimator (see) topic 1 to 10 for the place.
 - (a) 1
- :- ³⁸ 58
- 32 1
- 64: i 1

- egileligile, bere hara cauli un'i si suo e CAUA. B adio kommo soglare pissen what on what sing change its all existe all glock (
 - $(2) = \frac{1}{2^{n}}$
- $(c) = \frac{3}{30}$
- 14. If any observation drop is determined with the drig size, $\theta_{i}(t_{i},\lambda_{i})$) which is apartial of pions of what a that stable fly hat the income formed is 45%
- at 1

- Figure pack of of paying cooks it leg conjugat drawn all random. Find the groups the of street may Корганучения порож
 - $\label{eq:local_local_local_local} SC = \frac{16}{2 \pi g m_{\rm loc}} \qquad \qquad (L) = \frac{1}{2 g T}$
- · · · · · ·
- 18. A bay contains 8 ms. A write and A Place, or by "we bads are chewn at hordoor. What Is the protein to the both are trans?
- 101 7 111

- 17/3 degermants a white the Challes A $_{
 m P}$ Lyr threins breible and bitself, pale if one online consent of deep (e.g. for the probability has
 - (i) to the reservoir.
- -(n)
- h,
- (ii) beshare minaka
- []

- $11: \frac{5}{22}$

- (III) de komunia om misida_{ka}
- $-(t_1)^{-1\frac{5}{34}}$

- ココココ

Signations:

- I Ans (b)
- 2 Aus. iii

April 80 a mg, la 09, we can great it in a different We satisfy the first transfer for (0, 0), (0, 0), (0, 0), (0, 0), (0, 0)(0.4%) 30,00,50,60,66

$$:= \frac{\mathcal{Y}}{\mathcal{Y}_{i}} (2\pi \pi i \mathcal{Y}_{i} \mathcal{Y}_{i})$$

d. Ann ():

Hild that the efficiency ratio dot in Eq. () are given by $\frac{T_{\rm eff}}{T_{\rm eff}}$

and speak ly or go ling of general moreonic (base

$$(6,\frac{7}{7})^{-7}) = \frac{7}{12} \times \frac{6}{11} \times \frac{7}{92}$$

- 4. (i) Ang (b)
 - PT Ans. 153
 - 1.4 Apr., 161
 - $\sqrt{g} = \frac{3}{\pi} = \frac{1}{2}$
 - $\hat{C}(\hat{x}) = \hat{C}(\hat{x}) + \hat{C}(\hat{x}) + \hat{C}(\hat{x}) + \hat{C}(\hat{x})$

$$=\frac{3!}{6!}-\frac{3!}{5!}$$

(ii) Switch the Diright of Godon -4 and have $\lambda(\beta)$ e su crispado Asia di mandi segui, co se

$$\max_{i} 1 \sin i \cos \cos n \sin n + \frac{15}{52}$$

5. Ans. (b)

What Treatment controls on wage

- I·HI
- 1 11
- T 1 55
- 677
- 17
- ij.

Whight Herrica ethical concess approximate $\frac{\lambda}{\lambda}$

3. Aug (2.)

For Hood one million have to exclude indicate all all 16003 [b. H. Bission roof An artexactatyle.]

- $\| \hat{y}_{\mathcal{G}} \mathbf{t} \|_{\mathcal{H}} \leq \frac{y}{h}$
- и. жга<u>, (е</u>)

Tegoricom waite

$$\frac{70}{700}$$
, $\frac{29}{75} = \frac{9}{15}$

P A/ 8, (a)

Foundation for some $\{x_i, x_i \in \mathcal{Y}_i : i \in \mathcal{Y}_i | x_i \in \mathcal{Y}_i\}$

$$\Re(\Gamma = \frac{4}{6} + \frac{2}{5})$$

- 19 (6) Ana (6)
 - A(i) Ans. (c)
 - (d) Ana. (b)

Mile acceptance to the Vertical County in the Line History (Project County (Project County in the Line

- $A^{-1} = \frac{1}{2}$
- $(\,)^{-1}=\frac{9}{4}=\frac{1}{2}=\frac{1}{2}$
- jijiha j
- nte (i) Ava (a)
 - (ii) $\hat{F}_{1} \in (c)$

Fight pitch deciptors by Lymp supp

- $P = \operatorname{Injec}\left(2, \left(2, \left(2, \left(2, \right)\right)\right)\right)$
- 0 = 50.5 (1, 81.18 + 9.02.25)
- $S = w^{\alpha}(1,4) \ (2,2) \ (2,2) \ (4,3)$
- $e = ((e, 0), S_{n}(S, T_{n}(S, R), (e, \infty), S_{n}(S, C))$
- δωτοίο (8) (9) (η β. 2) (2 εχιβε (ξη κε εχιβε)
- A HIGH ST (\$18) N. 40 (7,8), (1.4)
- $R = M + (\hat{\tau}_{i_1}, \mathcal{F}_{i_2}) \cap_{i_1} \mathcal{F}_{i_1} \cap_{i_2} \mathcal{F}_{i_1} \cap_{i_3} \mathcal{F}_{i_4} \cap_{i_4} \mathcal{F}_{i_5} \cap_{i_5} \mathcal{F}_{i_5}$
- 9 Terris (q. (s. 6), (s. 5)
- 10. Heren 18.5t, (c, U)
- T T=9 vo (0.8)
 - $|\Omega|^{\frac{1}{2}}=\frac{1}{2^{\frac{1}{2}}}$
 - $0)^{\frac{1}{2}}\cdot\frac{\frac{A}{86}}{86}\cdot\frac{1}{9}$

10. Ans. (c)

Probability that he shots are been

$$\frac{10}{12g}=\frac{50}{8^2}=\frac{g}{g_2}$$
 , and the output angle

'avolrabita cha 37 lare not investable 30 yea

spaces theory, theory all places is $\frac{37}{2}$

12 Ans. (b)

agree and 3 bite bals.

probability itself of a $t_1, x_2, \dots, \frac{|U_{t_1}|}{|U_{t_1}|} \le \frac{3}{55}$

18. 64s. (a).

A chick confliction balls to gozza. Track

$$P = \frac{x_{1,0}}{a_{C_{2}}} = \frac{4}{8a} = \frac{1}{2a}$$

11. Ans. (b)

total less also as unconsidering $\omega_{\rm s} = m_{\rm p} + m_{\rm p} + m_{\rm p} + m_{\rm p}$

such the Hydronian party sets $\frac{1}{20}$

15. Ans. (a).

$$2 + \frac{10}{100} (\frac{2(s_0 N^{-1})}{500}) (s_0 - \frac{24}{100}) = \frac{16}{5020}$$

15. Ars. (8)

Here 3 red, 6 white \$.7 ylack &nus

$$\frac{\pi}{2} = \frac{1007}{500} + \frac{\pi}{1000} = \frac{\pi}{85}$$

- 15 (f) Asig. (a)
 - if i) i Ann. (d)
 - (dl) Are. (a)

Bayın 🛶 Mehle Sübbeck and

[249.7] = 5.5 write a 5-b cata(\pm)

- (iii). Product thy of quantities with $\omega_1 \equiv \frac{1}{\epsilon} \times \frac{\Omega}{\delta} = \frac{1}{\epsilon}$
- Robability regoing both brack

$$\begin{array}{cccc} 2 & \alpha & 5 \\ 6 & \alpha & \frac{5\alpha}{42} \end{array}$$

 $91) \ \frac{2}{8} \times \frac{9}{9} \ \frac{2}{8} \times \frac{3}{8} + \frac{29}{28} \qquad .$

尼山白江



- Pitte displace asset (includimentify stine)

- id: Now Market
- $(0, -\hat{A})$ on the presentation forms $(\hat{H}) \mid_{A} \in \mathcal{A}$ (see Fig. heat and folial (whater jately,
 - $(y_i) = \frac{3s}{s}$

- Tiery More eletrose
- In a preprint a since does not be procedified. art no emiglio Ger 5.

- A in parting of the collection (e.g., sit unabbility) one distributes
-) () 3

- Women to the charge that siles a year, percented an rs dan kijî sar zin st. jurnthe'r
 - (9)

- .27
- 5. For the proposition in a probability analysis of of later of a process in NASHES (17 two length, p.) come regelite.
 - ŔĠ

- An interpol is present at random cost file, (e.g. audit Goldstora in undone. What is the probability and the integer area on a divisit $y \in \{y | y \in \mathcal{Y}\}$

- -
- 100 Note of mosts.
- $\hat{\mathbf{0}}_{i+1}$ in a simultaneous in two all way (Fig., Fig. 2)(5.5) $\sim p$ I A denotes the even failable of this hap face ages tre evantifor od 5 % il bench gawn (15).

- 9. А ст.: В к е подаву вуструю туров для эт experiment the challenge of ${\bf F}_{i}$. The ${\bf C}_{i}$ is the state of $f(f) = P_0 f(f) d(f) \in \operatorname{value} f(f)$.
 - the many
- (la 93)
- 15 0 BC
- 5.00 00.80
- 15. The productible that in the data of the (n_{0},n_{0},n_{0}) M_{\odot} at $\Omega \leq 6$ be are $0.00 \pm 38 \pm 3.29$ by $\Omega \leq 1.59$ recook vote What in the archallet $g_{\rm eff}(g)$ (see Equation). of receive saless. Diosection
 - ia: cola
- 730 0.12
- RC 0.39
- id: honeetin-sy
- 11. A table sideson from anominary pass saying garinger sataffice the election ω (see Whitemark $z_{2,2}$ agaireth i wirring be bold
 - 'ai 2 4 i
- 11.0 × 13.
- الأراب أبي
- 9005
- 12. Aproblem in Sensore legical Light is poorts at ร้อยสาย Di The rich material stellaging เล

 - $\frac{1}{2^n} \cdot \frac{1}{2^n} \frac{1}{2^n} \sin 2 \frac{1}{2^n}$ is sective in What is the

pictability but its a stram of heavyed?

- (a) No Appliese

Utracilor for Shestion No. 3 %-14: An unincrewise § 25 Leib nurchared in this 2003 topose get, upon too. 10.09/ed bell is considered a solucion. If no center are drewn from include with up poography.

13. And the corbanitis of gathing two successors.

$$_{\rm HI}$$
 $\frac{369}{800}$

$$-300 \cdot \frac{840}{10^{14}}$$

$$\frac{1}{620}$$

وهجادية و At find no probability or galilage is successful.

$$\delta x = \frac{100}{525}$$

$$||\langle n\rangle|| \frac{2^{n}2}{mn}$$

$$|(d)| \frac{160}{2000}$$

Disction for Claretic Peter 8. Although Jens on Appear in a Kortwell Interpretation of the Sunday Peter 1999 of Claretic Supplies the Section 8. (Fundament) with such as the Sunday Peter 1999 of Sunday Peter 1999.

15. What is the problem, η , ω long out to increase if the coixed coix

$$\frac{6}{68} = \frac{6}{7}$$

$$(20) = \frac{\epsilon}{3U_2}$$

18 What is the compatible distribution of them 44 in selection?

$$(a) = \frac{2}{7}$$

$$69 - \frac{24}{55}$$

17 What is the crossitist had one of from withten selected?

$$(c) = \frac{1}{7}$$

18. What hand one still private pleastor collings with the selection?

$$(8) \quad \frac{24}{6\pi}$$

18. A manispen is furthin 20% in the cases and a roll or th 20% of the Cases. While stating the state from vitial to the propositily than may conteat (3)?

$$||\mathbf{p}|| = \frac{13}{13}$$

33 None of those

(9) A services 9. (2 of not cothered great. In a large and History 70%, What I she may abble and colors: CH of them will so you another use next terrange from no cook?

$$-161 - \frac{177}{135}$$

26. Find the project in will write a knowledge region of the order of the way (LAUL) (1.6) exercise.
60.5 Glastina financials.

$$1..1 - \frac{1}{2}$$

בנסב

Salution.

1. Aps. (b)

Formula approx $\mathbb{D}=\mathbb{A}[1,1]\cap [1,1]$, $\mathbb{H}[H]$

LITTE SEE THATTA

kander of exist is: $t_{\rm exist} = 0$.

 $\mathsf{P}(\mathsf{ranesds}) = \mathsf{P}((\mathsf{ulpr})) + \frac{1}{n}$

Suffices in on viray task $\mathbb{H}_{2dde}[\overline{\mathbb{H}^*}]$

2. And (a)

бандо выхол S — јене њет (СП), годију ју пу Пентин СП

Name at ϕ' est at attion purpos $+\cdots$

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Authors of the authorities 9

. But on-although that $\frac{2}{2}$,

2 And (c)

Another 3 on 5 may be detained in Θ beson $g \sim \pi$, (0, 0), (2, 1), (1, 1), (2, 2), (2, 3), (3, 4), (4, 5).

No obeyna isiiya obsay $\pm 6 \times 6 = 38$

at Protebally of contragal (galler).

$$\mathcal{D}_{i}(\overline{\mathcal{D}}) \sim \frac{\overline{\beta}}{400} \sim \frac{1}{\beta_{i}}$$

g (5) 8 (8)

A MoutSQC means increasing to the modes above [legging number on the upper post force. There is a particular to the (n+1) (2, 6) and the (n+1) (2, 6) and (n+1) (4, 6) (n+2) (6, 6)

Thus, the run bereffeedumne cases = 6.

Formula (row) that $1 + \frac{1}{20} = \frac{1}{\Gamma}$

5. Apr (n)

We're even full in only partiting this days will full use. They well if as off the risk and building over

- Hier soulfull even (supposed we down here is a lower Helphagaie)
- ti. Solotlav a oli Mondusi
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- $(G) \stackrel{\sim}{\Box} G$ is easy and Woodersday.
- (iv: Wednesday and thursely)
- (v. Introdavanšercay)
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felf) Sexanowy and Bancow

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 and (with
- ... Nimbord zom adendasesig i "g
- $z = \int dz dz dz dz dz dz dz dz dz = \frac{2}{7}$

Y 1 A 10 (8))

Published to surface to table Fibrilly, the surface of the surface.

... Name of steps
$$m > m + \frac{10!}{2!}$$
 (i)

Autoprika words in what the time variage has a fixed in the port of words in Autobarro (word to the table).

$$\frac{1}{2} - 2! + \frac{11}{2} - \frac{1}{2} \frac{3!}{2!} - \frac{3!}{2!} \frac{11!}{2!} - \frac{3!}{2!}
... Ferminal amounts: $\frac{9.4}{1092} = \frac{0.9}{10}$

$$\frac{1}{5} = \frac{4}{5}$$

՝ ընդել լոյ

A . For expect the control of smalls thy θ such that one case the strike in Eq. (

$$E(x) = (33 - 6)E(x - 25 - 6)E_1 = 3(1 - 2) = 200$$

$$P(2) = \frac{20}{2000}, \quad 2(F) > \frac{25}{200}$$

 $B \otimes G \otimes (= AA) \times A \otimes (BA \otimes B)$

$$\frac{30}{200} + \frac{25}{200} + \frac{2}{200} + \frac{40}{200} + \frac{1}{40}$$

8 898 (6)

ArGsung Southoth IT D. Setting odd in imperiodd costnedd

$$B = \{ (1, \gamma) \in \{ (1, \gamma) \in \mathcal{A}_{\mathcal{F}_{\mathcal{A}}}^{1}(1) : (1, \gamma) \in \mathcal{B}_{\mathcal{F}_{\mathcal{A}}}^{1}(1) \in \mathcal{B}_{\mathcal{A}}^{1}(1) \in$$

$$+ (A) = \frac{2}{35} \cdot F(B) = \frac{0}{125} \cdot f(A + B) = 0.$$

- n Pegnal considts
 - $= \mathbb{P}(A) + \epsilon(B) = tAndt$

$$=\frac{2}{4} - \frac{9}{31} - 3 - \frac{11}{43}$$

3. Ara. (b)

We know $\rho(\mu) := \mu_0 \bar{\mu}_1$

$$-1(A_1)/B(A_1) + 1(B_1)/B(A_1)/B(A_2)$$

$$= -0.05 + 0.35$$
 P(0) \pm 0.

i ji . Alaba Bisra milbaly exclusive evental

$$= .7\%(-0.65 \times 0.05 + 0.00)$$

Hu, Anni (c)

111. Ans {a).

Lord la septional drawn and

Thus laby of stancing states: P,A is P)

$$1/2(A) + 3(B) + 7(A) + 3(B)$$

$$\frac{19}{19} = \frac{1}{19} = \frac{1}{19} = \frac{19}{99} = \frac{4}{59}$$

and so the of less
$$(p_i)_{i \in E}(p_i + i) \cdot \frac{d}{dp_i} = \frac{9}{12}$$

. Occasign rationary in the $p_{\sigma_0}=g_{\sigma_0}$, i.e.

12. Ans. (b)

arototility film. A falkin, severille problemie

$$-\frac{1}{3} - \frac{3}{3}$$

Proceeditive than B. Velson, so we sharp maternity.

Probability to the Control of some the problem is

$$1 \quad \frac{1}{6} = \frac{4}{5}$$

Inchehi ty hel O fells a soled the problem of

$$1-\frac{4}{3}=\frac{5}{1.}$$

Since the poor it are a dependent the amost thy model fractor it is distributed by some (if e.g., titler is

$$\frac{2}{3} \times \frac{2}{4} \times \frac{3}{3} \times \frac{2}{1} = \frac{1}{3}$$

10. And. (a)

Supposed Gastrepode number $\Gamma = \frac{13}{5^2}$

$$= 3 - 1 - 3 - 1 - \frac{10}{66} - \frac{12}{66}$$

Privary 80,000 essees) = alix id

$$= \frac{10}{20} \times \frac{10}{25} = \frac{100}{625}.$$

a 2ms. [6]

$$P(\text{solutioness}) = n \times n = \frac{12}{2n} \left(\frac{12}{2n} \right) \cdot \frac{n+n}{600}$$

19. Ans. (a)

A Hustiani saeubu

 $D:\mathcal{M}$ to be obtain

$$\widehat{f}(A) = \frac{1}{2} \operatorname{sgn}(\overline{A}) = 1 \operatorname{sgn}(A) = 1 \operatorname{sgn}(A)$$

$$\Gamma(D) = \frac{1}{5} \Rightarrow \Gamma(D) = (-HB) = \frac{2}{25} \Rightarrow \frac{2}{25}$$

Highly and colliners will be satelyingly

$$= W(A) - W(B) - W(A)(B)$$

$$= A(A) - A(A) - A(A) - A(A) - A(A)$$

$$=\frac{1}{7}\left(\frac{2}{3}\right) + \frac{1}{5}\left(\frac{1}{7}\right) + \frac{4}{95} = \frac{13}{25} = \frac{2}{7}.$$

t -Ar.s. (b)

Pilloti of the rivid Losso setech

$$2P(5) \times 2P = \frac{1}{2} : \frac{1}{6} = \frac{1}{2N}$$

. C. Ana. (9

Pri one of trens will be selected)

$${}_{2}F(\overline{A})H(\overline{B}) = \frac{8}{7} \times \frac{4}{10} \times \frac{73}{20}$$

16 Ans. (d)

High lost one of the your will be selected:

$$=1,\dots,(\overline{\lambda})\times -(B)$$

$$-1\frac{5}{7}x\frac{-1}{3} + \frac{24}{35} + \frac{1}{35}$$

1.S. Ano. (c):

Lotting about a first Amme R

At wingeness in the

Bill speakings

$$P(A) = \frac{80}{120} \cos x^2(A) \approx 1 - 2 (A_1 + 1) - \frac{2A_2^2}{20} = \frac{120}{100} = 1$$

$$ME_{j} = \frac{90}{100} = P(R) \cdot 1 + P(D) = 1 - \frac{90}{100} \cdot \frac{3}{100}$$

a. Requisoperationality.

$$H^{-2}(A(\Gamma(\widehat{\mathbb{Z}})) + 2(\Omega) H(\widehat{\Delta}))$$

$$=\frac{80}{100}\times\frac{10}{100}+\frac{80}{50}\times\frac{20}{100}$$

$$=\frac{8.88}{100} = \frac{18}{100} = \frac{18}{100}.$$

20. Ans. (a)

All 6800-8 tiet noblem:

D: Displace included term.

$$|D(A) - \frac{800}{1000} = c |P(\overline{A}) + c |P(A) - 8 - \frac{90}{1000} = \frac{90}{1000}$$

$$\Gamma(\mathbb{S}) = \frac{2}{100} - 3 \Gamma(\mathbb{S}) = 1 - 4(4) + 3 = \frac{70}{200} - \frac{35}{100}$$

Percise probability $|\cdot| 1 = \mathbb{I}(x)^*(\mathbb{D})$

$$= \frac{10}{100} \times \frac{80}{100} = \frac{37}{100} = \frac{37}{100}$$

-21. Aus. (a)

If the actuales the area place

 $C(A) = 7 \quad \text{Total} \ \Theta(A) > \Gamma(B) \approx \epsilon$

stoythes probability

$$\simeq P(A) = \frac{y(A)}{y(B)} + \frac{71}{8!} = \frac{1}{3}$$



Maddae Eograise: 4

- 1/4 . Indiamonal like of raining on day $1/6.0.2~\mathrm{mpc}$ on Cap $\Omega \approx 0.0000$ for is the probability to rating $p_{\rm T}$ hed: the day six
 - (4) 0.2°
- On Pa
- tri lutti.
- (d) (12)
- $2 A \, t \, s_{11} \, contains simple by all orbits on its in <math display="inline">g_{12}$ contract 4 gross and 7 Mackitatis, neithblight by somethic order and the stroated will be a singdieti".
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- jr († 1,8)
- rdi 744
- និង កែកពត្តភាពខែសមិន្ត , $\mathbf{u}(S)$ គឺ Libe 18 σ គ្នាខេត្ត $\frac{1}{2}$ and

two Books with the compact $\frac{1}{2}$ due which the problem if y firm area will be after to years?

- $\phi := \frac{1}{20}$
- $-(0)\frac{63}{50}$
- (d) Hare of these
- . The production of that a sludgest contact waiting $\epsilon_{\rm S}$ 18. Shorth tymbesidy bytot out at the tipe students esa ay kao wa sammen, y
 - $|\phi_{i}|^{2} C_{4, \dots, 2} \frac{(2^{3N})^{-1}}{5} = |\phi_{i}|^{2} \left(\frac{2^{3N}}{5}\right)^{-1}$
 - $(\omega) = O\left(\frac{1}{\epsilon}\right)\left(\frac{d^{2}}{d\epsilon}\right)$ by Managements
- i Lucia evento, Alianti Alianti ndocondona graf Elianti eventorea $\mathbb{P}(A_i = 0, 1) \quad \mathbb{P}(A_{i,j}, \mathbb{D}) = \mathbb{P}(A_{i,j}, \mathsf{NP}) \subseteq$
 - $\left(a\right) \left| \frac{\hat{r}_{i}}{n} \right|$
- 10 Ē.

- To trid the entropionism in the algorithm for the property of the property. random in to in deced increases (1.2, 3.4, What is the possibility and none milligibilities a occurring the Sweeters are wing in from a color
 - 651 824
- The St.
- (0,12)
- 400 BS

- If the preciously on right of large given $\phi(y)$ in Figure 35/19804 , from attentis the probability and through этичкагу 3 деры н эго оруусуу
 - (a) 3" a.
- 651 835
- 000,000
- S. Intago telstiyooni narovan, A. Bopenti sorra gis of the two skinler visible. In while regardonning its the whomever or a let t be a probability that the
 - on seed
- rba ozek
- 69 05:0
- 768 0.54L
- $\Theta_{\rm s} = 4.00$ (see is critical to satisfying a garden through Eq. polari a tribera. Ilko prozonika pilipo nomba. onucli bong a miniple ol similiti is
 - (n: 55
- (h) 134
- ich 😗
- 13: T
- 10. From a chek al 50 playaraj cardo two cardo se d $148600\,\mathrm{MeV}$ or all street in 10.5 \times Vec the error at β_{eff} of star than save being 8 ago
 - (3) (15)
- مربيط زيلو
- ICH SWEET
- i (di Walan) besc
- 10. From a cost containing 30 standard and 20. sure for earlier, e.g., two an injection is expensed to ϕ_{i} 0.6. W at is the probability that one of the μ -c $100 \,\mathrm{MeV}$ and the order substances 98.98
 - $\frac{101}{100} \times \frac{2.5}{100} \times \frac{40.5}{100} = \frac{100}{100} \times \frac{30.5}{100} \times \frac{30.5}{100}$
 - $\frac{1}{2} = \frac{1}{2} = \frac{1}{2}$

Selutions

- $-\Delta \cos (0)$
 - 0.8 ± 0.03 .
- 2 A/c. (a)
 - 10 (6.325) ly arrithe be long $e^{-i\phi}$ of governor our

Notice by the time Γ is the Γ in Γ in Γ

 $-:-\frac{1}{1}$

Э. Анв. (ч).

$$F(\rho) \sim \mathbb{I}[Q] = \frac{7}{2} \times \frac{9}{10} + \frac{80}{10}.$$

- 4 Ans (e)
- 8 Are (b)

$$F(A \cap S) = P(A) \times F(B) \cup G \cap \{ x \mid t \in B \}$$

$$P(A_{i}, (y) = \gamma A_{j+1} \otimes [y_{j+1} \otimes y_{j+1}] \otimes [A_{j+1} \otimes y_{j+1}]$$

$$9.45 \pm 0.15 \pm 0.05 \pm 0.01 \pm 0.027\%$$

$$-6.13 \cdot P(F)(1-0.15)$$

$$1.08348(\pm 0.40) + 0.5 \pm 0.55$$

$$1.1 - 3(B) = \frac{0.00}{0.35} \approx \frac{50}{65} = \frac{4}{12}$$

a. (655,15)

Helical character
$$\begin{bmatrix} 2 & 1 \\ 1 & 1 \end{bmatrix} \begin{bmatrix} 2 & 1 \\ 1 \end{bmatrix} = 1$$

New digestion and accurating the place i..... on

Outdoor is \$\frac{1}{2} \text{ conduction plans } \ \Pi_{\text{out}} \ \pi_{\text{out}} \

Lomain Miseer wavs onlymma eigen reside Low ket (j.k.) and (internel) en keidebechne Und den vinnen die oord van jag Hersey

Table Hell (problem) for $\frac{1}{4} = \frac{1}{8}$. So there we have

when expends 6 with ϵ to decupy place in §1.6 in such that two least tradition the analysis just a 1/2

I. Ass. (a)

In modelth item in which coming any $-rac{1}{2}(y_{10})$,

Juva Trom =
$$x = \frac{1}{2} = \frac{1}{2}$$

Problems, it is name to specify 5 days in a Salay scried

$$= \operatorname{Var}_{(2)} \left(\frac{1}{2} \right)^2 \cdot \left(\frac{1}{2} \right)^2$$

 $^4\Omega_{\rm p}$ for smallering Mixel , not due through $g(\omega_{\rm B})$

The days
$$\frac{c_1 e^i}{\sqrt{2\pi}}$$
 for Bothi calls on , need possible.

$$\int_{-2.5}^{+2.5} 10^{-18.03} \, \rm es \ d \ rains on red mining 2.0 kg/s$$

H. Ans (c)

Perorad around by

$$= {^{5}C_{2}}(2\pi i)(68)^{6} + {^{5}C_{2}}(6\pi i)^{2}(6\pi i) + {^{5}C_{2}}(6\pi i)^{3}$$

$$= \mathcal{V}(0,1) + \mathcal{V}(1,1) \cap \mathcal{V}(1,0) + \mathcal{V}(0,0) \cap \mathcal{V}(1,1) + \mathcal{V}(1,1) = \mathcal{V}(1,1) \cap \mathcal{V}(1,1) + \mathcal{V}(1,1) = \mathcal{V}(1,1) \cap \mathcal{V}(1,1) + \mathcal{V}(1,1) = \mathcal{V}(1,1) \cap \mathcal{V}(1,1) = \mathcal{$$

Alternative

Finished in J at A longword + 0.4.

Firebubility Hot Authorities (p.g.)

Salesquired probability

The Trobacous (Bottoner), diseased, indepensit a inconsection and Tree timesy

$$1 - |0| \delta(z_0 \cup z_0) (0)$$
 (2)

$$=10.0215$$

9. Ans. (a) 1

10. Ana. (d).

The surple content arms from a product that agong the painting the painting of the painting o

$$i.e^{-\frac{(1.3)^{2}-(1)}{2}}=(.687,.683)3$$

The even little that suggestions are not along that some appears in EQ, whyself a fine y_2 .

 $\lambda = 1760 \, pm contly$, is, the two trims dimensions to

section of all pands are an energy =
$$\frac{9}{1923} = \frac{1}{12}$$

 $I = \text{Ans.} \{g\}$

. Decorated projectively

$$=\frac{60}{160}\times\frac{40}{100}\cdot\frac{10}{100}\times\frac{30}{100}$$

$$= \frac{1900}{800, 100} = \frac{16}{8^2}$$



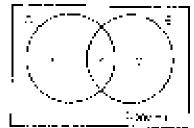
Setimeor

Veros Diograma

Votal Uniprocessor protestative of communication of sold of the dynamics and office of communities. Basic unconductors of trogens are executed by a Votal Jagrage of the sold for severing the sample satisfies.

The Vertilloragion in represent allocations of a substitute as the conformal function of the puriodistrates will not be obtained to an order to give the conformal (including integral of en puriodistrations).

Wull-diagram involving two attributes.



Classic direction terms of $\{v_i\}_{i\in \mathcal{S}_i}$. Paging appropriate techniques

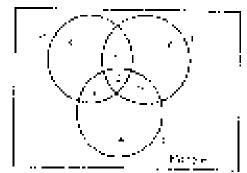
- (all α = mings that the ongotion point on the α α
- (i.e., x = a into that before x = a can be x = a
- $|\mathbf{b}|_{t=0}^{2}=\ln t$ district zerong is $|\mathbf{b}|_{t=0}^{2}$ but not to $|\mathbf{b}|_{t=0}^{2}$
- (d) in transcent region of any polymer execution again a notice.

Purfices of terrysticans

- , as all the spanished of the constant of the
- (a) I things taking to a local car in the carbons in the style by capacity two to OVER(in the second).
- (c) For esample (c) g(T) in gallottengaries, $g_{\phi,\lambda}(t)$ and f(T) figs belongitor proportion f(x,t): 0 = x(t)y(x) = y(t)
- On things he or gits both at more species.
- for intercetting to a little man of 4) above

- (i) Full places on groups g_{ab} but if f(D) = g(0) +
- (a) Things does not be a quite and puts A light ni
- (if things these not asking to equipment H = (c * a)

Verus Bayrsant with times arreflattest



1650 sample sets = 9.

Here X,Y,Z are callet an $3\,s$. (But a norm φ

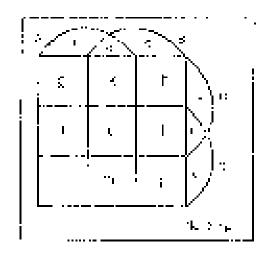
- ich lote tradereiten ober die g
- $0 \le -\gamma(\Delta) + \alpha + (\alpha) + 1 + p, 0 \text{ and } \gamma + p \le q \le \alpha \text{ only}.$
- (i.e. $d(B) = 0 + \delta + \delta + \delta + \epsilon$ and a least ongoing of a layer $B = \delta$
- (2) if $0 \le m \in \mathbb{R}$ and $n \in \mathbb{R}$ in Eqs. belong to any $0 \le n \le n$
- Let A the square energy be exactly one of sub-Lap. $x \neq y = 2$
- (5) Things bring to suffice a (A is Stronger $r(A) \sim 5$) with a
- Of Then properties, it is a thicken to $\phi(x) \in \mathbb{R}^{n}$. (Prov.C) which
- Office levels a minimum to 8 (2) year
 Office College
- 00 Thing a purpose of the probability of $(a, \mathbf{x}, \mathbf{x})$ is $(b, \mathbf{x}, \mathbf{x})$.
- (i) in spage 1—any in only in agold 46.4 (c) and 5.4.

- (iii) Things being to only attraction (4.3.49) of the w
- (i) Fings saling to some thee smbatcs (goods of high)
- (44) [Ohiga belong to all the three offer residues r(A, b, B, c, C) , p
- (ii) The grabalong is naise since with result (
- (ii) The galbelloid to at lower order the trincities containing to the $\mu = \mu$
 - = Exactly or z in Laboraty two \sim

Excelly three

- $+\alpha(1,\gamma): T(1,1) \times \mathbb{R} : A \to \beta$
- $\begin{aligned} & (A, b, B, c, C) = n(A^{-1}, c, B) + n(b) \\ & c(a, b, b) = n(A, b, C) + c(C, c, p) \\ & c(A, B, C) \end{aligned}$
- (p) Programs to realizable in Linuxy
- I'm rigs beton, to Aller
 - $\vec{r} = r + 1 + y + 2 + 1 + 1 + 2$
- (i) Integration with Arch P $\pm (a + 1)$

Ment ដើងប្រានាមនុស្ស()(4-a)<u>ប</u>ទៀបខេត្ត



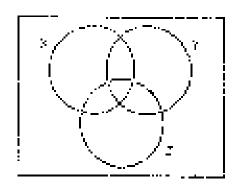
icial sumota – m

- 2 n(0) = b + c b k + k + c = j = m
- S = F(G) = C + i + f + k + k + p + q + p + p
- $\theta = 0.03$ = dating the first order to
- $5 = \operatorname{Only} A + n$
- i Dhy Birit
- 7 OnyC=9
- $5. \quad \text{Only } C = 5.$
- 7 Things become exactly one of almostes in the property is
- $10\cdot A \stackrel{\text{\tiny M}}{\sim} 5 = 0 (\text{min} \cdot \mathbf{P}) = 6 + 8 + 6 + m$
-) in A.S.C point $\pi_i(A, \sigma_i(C) = g + \kappa \otimes r = m$
- $19 \cdot A A = 3.50(3 \pm) VA \approx \overline{O}(\pm n + 2 \pm i) \text{ in } n.$

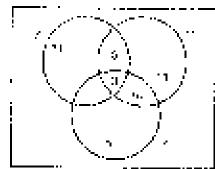
- 13 $\mathbb{R} \times \mathbb{C}$ in the value $\mathbb{C} (\mathbf{v} + \mathbf{v}) = \mathbf{v} + \mathbf{v}$
- 14. B & D Bell FirtDir Dir Fri → Fri + Fri + F
- 19 | Chand Orboth = $(0.75\,\mathrm{C})$ = m_{\odot} $(0.75\,\mathrm{C})$
- 16. Only 15 (A & St to I = 16)
- IA POYN(A % () Add up.
- Illa Only m (A.A. Granth Fig.
- 18. Only ω (B & C) both = F.
- \mathcal{R}_{i} . Only to (B.3. 2) both + 1.
- 2 = 0.59 fm (0.50 pcd 0.64)
- 59. Robbson y historia (a) 100 ft - g + n + l - [
- 23 (A, D & C) attached b = 0 = r(t) + 0 , (3)
- 24 (5.003.0) of Inga 411.0 - mRe004.01
- \Re (A, B, 8, B) or fine: $\forall x = 0 = (Ay/B) \text{ (B)}$
- $S^{\bullet}: \mathbb{R} \mapsto \mathrm{to} (A, \mathbb{R}, \mathbb{C}) \otimes \mathrm{theor} = A$
- $98 \cdot 00 \text{ pile}(P, 0, 0) \text{ slithings at$
- Let $\operatorname{Cirty}\operatorname{In}(A) \in \operatorname{Id}(\operatorname{Altithee} = \operatorname{Id})$
- 99 Only to (4, 5, 10 at three 12)
- 34. To exactly three of four attributions:
 In 4. In High
- 32. Bolong to A. H. C. Plat jour L. C.
- 35. Maio embeg A. 3, 11, 11 p.

Solved Examples

Whiteflow (Q.1), a Q. 5): Therefore the surface $x_{i,k}$ is no following discussion.



Food somewie Anstituumming (j. phoese). Carte Anter esert ever run taratings, aptyl. Caste Anter voor looks nambers (j. sarapts). Caste Anter pastri päinel uniost ninample. golinian : Folowi grown diagram sa prediown.

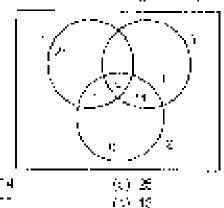


- 1. Here energy introduces by $\omega_{i} \lesssim 2 \cos \gamma \lambda_{i}$
 - (8) 25
- (6) 14
- (c) 45

Ana (b)

Ordereval rutano latanos pende du presidente, de Lata elementa defenda

How muses uniform belong to Morty.



ta) f Ang bej

A like that the switch has compliment elements.

- \mathbb{R} . How injury a circums are those $\omega_{i}(\gamma + Z_{i} \gamma)$
 - (A) **
- 150
- 13. 37
- . . .

A is li(a).

All priction are under the bird fac-

- If the many elements are those in (2) years
 - 122 11
- 3.1
- 64.2
- 1.00

Ane. (3)

Claims of a control principle for body and element.

- Low many stemes were more winds control network.
 - day ta
- ıld ide
- (d): 14

Ans. (9)

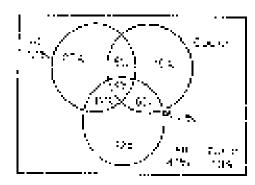
Alter with a fine that where t , which satisfy a premare plane.

Ultradition (C.5 Ic Q. 10) In extremely all regions as solution in a colory of those have income the age ago equipped with Kins ADs & colores 294 heaves have coders. They of the incores paye coolers a ten kins, for some save ACS 465 of the horses have large 10 at 25 at 10 at 25 at 10 at 25 at 10 at 25 at 10 at 25 at 10 at

300

 Since studentum foral, 8 is 35 terms we concomfortably work of assuming sample size to be 100%

Analysis of Stabilities are no agreen



Marits 25% of the seed average on

$$\frac{ng}{1/2} \times (1) = post$$

$$7.4 + \frac{190 - 224}{553} + 800$$

Thrail buse so, word - 8th

Incorpliquestion on the allegence.

- For investigately housestown to a certain
 - 1at 3337
- in 192
- 100 90
- 66.327

A in. (a)

.32% have in at only LDR
$$\frac{(400)}{100} = 1.68$$

Herce of the ring.

- Incompany houses it would not two devices should according to be not?
 - 141 438
- (D) 400
- ::: 420
- ordinación

709. (n)

- Al hos less premer
- المستراكية (المستراكية المستراكية المستراكية المستراكية المستراكية المستراكية المستراكية المستراكية المستراكية

$$=800-\frac{8005 \times 4}{10^{10}} \times 30$$

i konce aplika (a)

- 0. Plots many from its uses were intrody as M
 - (K) (6-j)
- OH 783
- á:; r::::
- 101 800

Alre, (e)

Dialiticusus surveynti**9**96. Tenedotiku (d)

- Building instance; an exhance by the
 - $\hat{B}_{i}^{\mu}=i\hat{B}_{i}$
- $\{5\},\{3,2\}$
- (6) 149
- 10年2年

Ars. (n)

Chemail 1465 notines l'épelis le l'ancient 5285 du lignaire finns.

Force 50
$$\frac{800}{100} = 448$$

ائري والتعاديدة

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- 4. How longer to one alter bookers
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- 6. If 45 blosents obyect only 3 kket, then thy tiple two behavior datas who placed exacts. 2, loopey only.
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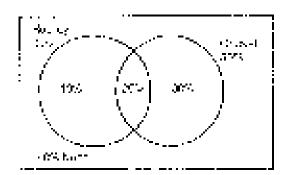
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Selutions.



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$$0.600 \times \frac{50}{170} \approx 160$$

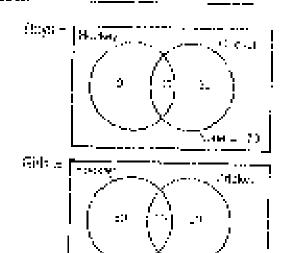
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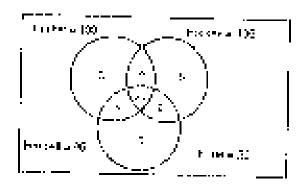
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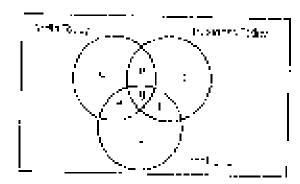
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$$0 + 0 + 0 + 0 + 1 + 0 + 40$$

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$$\mathbf{b} = \mathbf{0} \mathbf{0} \mathbf{0}$$

$$a \approx 100$$
 (a)

$$\alpha = 3 \times 5 = 200$$

$$\mathcal{D} \Rightarrow [0.0+(a):b] + (a) \qquad \qquad \mathbb{D}(a)$$

$$\tau^{-1} = 3 \pi \times 60 \cdots (a + b + c).$$

$$\alpha = 200 - 200 - 100 = -200$$
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15.(a) > 15.(b)

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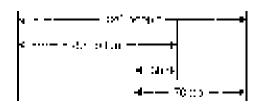
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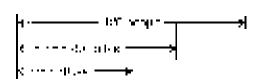
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15.061 To presimize the not of one or eldrink taken the relation two por chiral topic.



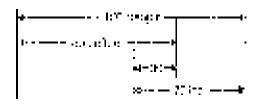
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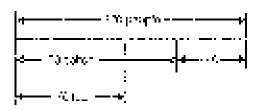
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Reasoning & Data Interpretation



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- (9) If a Daughter of D
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Example 5

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- $A \times B$ modes $A \approx poughter (a. 5)$
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- $^2\mathcal{A} > Q + \delta_{\rm c}$ which of the following k buch
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- (a) Dirimitta yiri
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- $\Gamma'' = 3 \times 3 (a, b, b)$, refine to to engine $a_{0, b, a, b}$
- $\frac{1}{|S_{k}|} = 2 \sqrt{k} \cdot \left(|H(k)| \log k \right) \frac{1}{|S_{k}|}$
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- $\hat{B}(t) = B(t) \log_{\mathbb{R}^{2}} \mathcal{L}(t)$
- (ii) ISIS (laugisterion 4)
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Exemple Ric

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- (g) whise the set of a person is not walkingd, write it in a bax
- $j_{\text{eff}} = O_{\text{eff}}$ with any sub-of S_{eff}

 - $\mathbb{Q} = \mathbb{Z}$ and mean order).

Fractice Exercises

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- (3) -core to large x^*
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- or 1 =c...
- $0+\rho_{\rm WP} \leq \rho_{\rm S}(e+a)$ and the contradiction of $\rho_{\rm S}(e+a)$
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Selections

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 - = \mathbb{C}^n with a probability field $\{\alpha_{i,j}\}_{i=1}^n$. It
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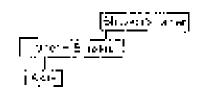
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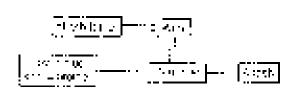
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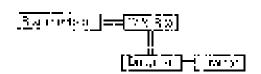
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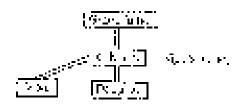
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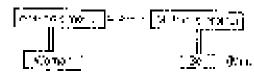
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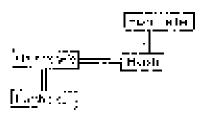
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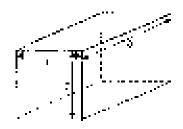
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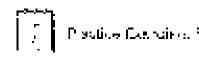
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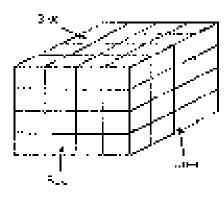
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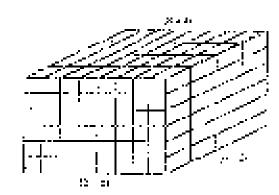
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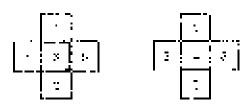


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Saction Exercises

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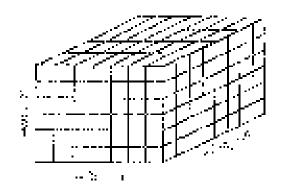
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Solutions

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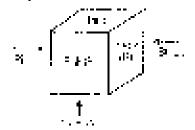
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- $A_{m,n}$, by the particle containing $A_{m,n}$ - 320 1 1-1: 5 30U
- $\tilde{g} = \hat{g} = (\phi 2)(x 2)(y x) + (2)$

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- $9a/3b \approx 16$ creatical regularities, and matrix 3auniform uncommissable transfers (Section 4.8). CLAMICALL A A REPORT OF A TOPPORT STORE A te talk on two luces are respected to a poiside publication on a herce group. a tedale.
- 10. (c) The characters with $\exp(i)$ or θ do to see
 - (4) Chalevald, yet owner (1995)—1.
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- 11. (б) ти з questo certyr v пареж Торт год ў stickeds of page AB or compression $=6 \times 30 \times 20 \times 30$ authorsts
- 12. (**) Denoting of a Speciment with other =200 , 30 from the tank sums $\epsilon \epsilon = 100$ line. second in Collins (m. self Let out to ensigh
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- 18, (a) The lift of (ii) we arrogation its adjacent to \$10, \$2.3 force it in appearance. We seem to be about the property of a face or by solution graph of the control of



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- 18 to the teaching as 1 while 4
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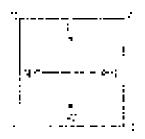
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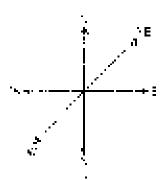


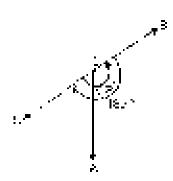
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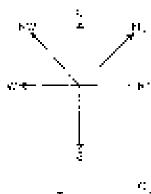
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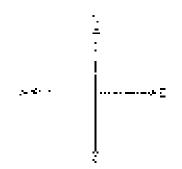


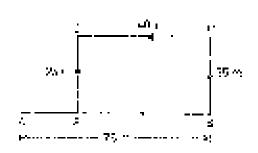
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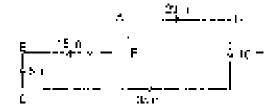




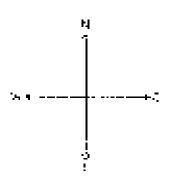
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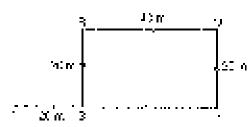
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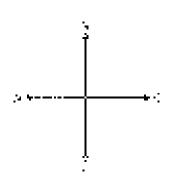
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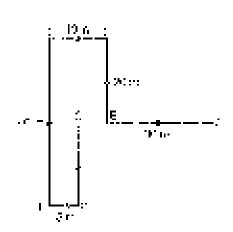




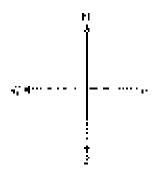
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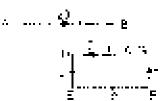
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- 6 (4) The movement of Killscott alias shown in Fig. (20), Appl. 5





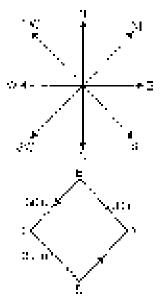
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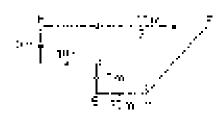
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9 (c) The movements of Shawner's place shawning (Alt. Pl. 5 to 0, 0 to 0 to 4.6)
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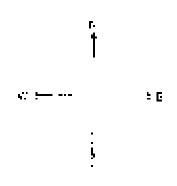


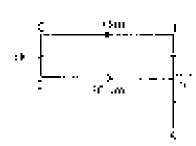


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$$\begin{split} & - \Delta \Gamma = \sqrt{\Delta^{-1}} \left(\frac{1}{4} + \sqrt{\Delta^{-1}} \right) \sqrt{2} \\ & + \sqrt{\Delta \phi} = + \Delta \Phi \end{split}$$

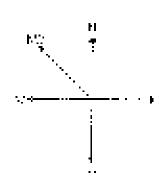
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(4. (b)) The movements cannot eq.() for $x \in [\pi]_{F(g)}$ are as: $R: \pi \times \mathbb{R}(F(g))$

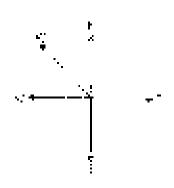




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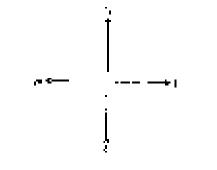
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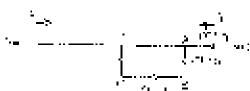
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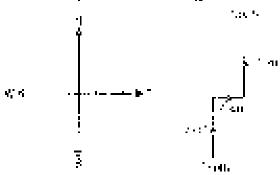
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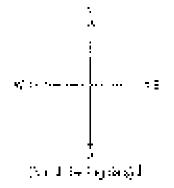


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21. (c) Coary, the bod rate forms Att B, 56 (Coard finally upon a Rhand Class and reversing A, so, equired distance.

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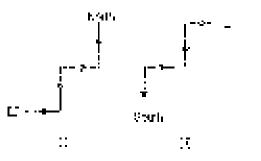
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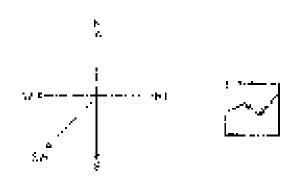
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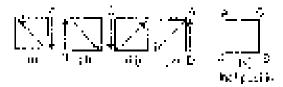


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28 (2) CAS with (ii) (iii) and (iv) should emission and $\phi'(A_i) = 0$, and ϕ' setting with which the regularity attanded the constraint in the entropy $\{y_i\}_{i=0}^n$ the parameter prantes, (CBDs)

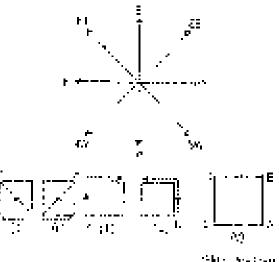


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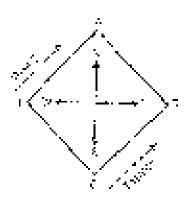


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Line Graph

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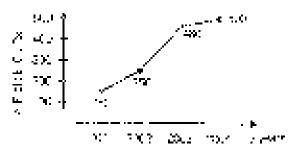


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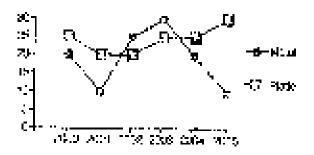
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- 3. The difference in the number of months in which there was an increase in the CHT and (f) 6 number of months and for there was a decrease year.
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- iti two
- (5) 15(44)
- (d) =(.1)

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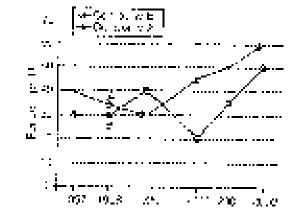


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- 6. An itemper of vestro for of infranciary square of Michael was less than to elementation of Places and the grounding politicals.
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- for the Claimber sumption of plastic (for expense participation); in the participation (Pela Control Description); in the participation (Pela Control Description);
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- 6. Which minially by which continues by payment personal change in concentration there is a practical content.
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- 63.304
- 2, 1.0.

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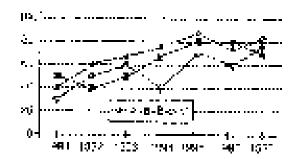
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- 11. 1 198 experibilitie of Company 8 % (east 2000 oast.) Ast 200 of the Whallies % regards?
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 - ial fro Sautova
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- 12. Pine instrue of Company Alimpeer (6) (2 was Rs. 900) proto. What was released displays
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- 13. If the victoria of ASD (kerk 3 in 1995) was F8 (200) content what was to codmin (2007).
 - .4) Bk 21.5 arcia.
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 - $(\omega) \cdot \tau \leq$
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Picution (Qs. 15 to 20) Suby no following graps: 24:5.9, and as seed \$ equations given below?

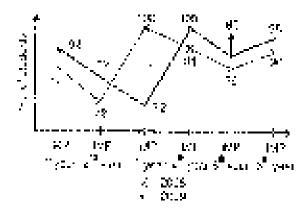
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- 16. In write tick the littlewing week, the importance project by Carrol Siny Alwas association for the gwn scenage module?
 - 60,1332
- 759 1916
- 在: 1994年
- (d) FXN € of incode

- 17. In which of the Islanding years was the ofference (General Tide opents) made by Campany is ann Citio maximus?
 - (4) 1989.5
- (5) 1994
- (6) [631]
- (3) 1932
- 18. In Without the following you awas he upon smarte by Company Alexactly half in the total imports frace by Company 8 etc. Components that year?
 - (b) 1992 play
- 36 303-049
- (d) 199**2** and 1995 i
- Hidi 1980 only
- What was the personnege increase in imports of summary biform 1992 to 1993;
 - 间沿
- $|\langle i \rangle \rangle \Delta \epsilon$
- #: 40
- jd: 29
- 25 In which of a elib lowing years was we total reports indical or of lither times, companies regarded the maximum?
 - ыў Вкоморіў.
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- (c) 1685 only
- (b) 1966 a 1997 onto

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- 81. Firm many field is upom spined the drug am (IMF). In the year 2003?
 - 881 64
- (3) 32
- 200
- 100.36

- 25% in Fig. many playses did exectly murishing angliging types 2105% .
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 - 6.1 484
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Solutions

Adeque: 54.50

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- 4 to Trotte dicorresetti valdi and Mich
- (4) The IOPI interessed in all recomments (2.54) To be suited by with constructed in pagfurths ("deschara, very).
- 5 (6) Yearly seen as 8,9000, 9001, 2000; & Wigh
- 7. (1) 145 : 115 = 26 : 28 : 58 : 58 : 881 : 5 : 4
- 13) Module in 10000 to more than you poly over the writing to 2000.
- 20° GeV 2000 is hiệ từ by year which satisfy the condition
- Fund 133,00% belongs 200 months.

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$$= 2103 \times \frac{(20)}{100} \times (58,040) \times$$

12. (c) Threshold to of Company A at 2002

$$\delta M \propto \frac{\partial M}{\partial E} = \{ 1, \dots, 1/2, 1/2 \}$$

- 15 (d) We call intro-nither cross obtained in the Bowelline of the control of the control of the Control of
- A GG Deut of Learning of the bines.

$$\frac{1.00 - 1.00}{35 - 100} = 21 - 9.5$$

- 15 (d) Inpod is the asset $\frac{(3 + 1)^{2}}{22}$ (2) = (3) = (3).
- 18 CE Acongo Pacific Hade by company A

$$= \frac{2(1+\frac{1}{2})^2 + \frac{1}{2}(1+\frac{1}{2})^2}{(1+\frac{1}{2})^2 + \frac{1}{2}(1+\frac{1}{2})^2 + \frac{1}{2}(1+\frac{1}{2})^2}$$

$$=\frac{35\%}{2}=100$$

- in our excluded assert operation and a perturbation of the perturbation of the analysis (19).
- 17 (d) De visus indipoditant la clear (light 1999 in the 2007/60 pean (about distribution defended to political for moving per 1994).
- 18. (t) Existence, or in year later

$$\left(p(x) D + \frac{2Q - QQ}{Q} \right)$$

- St. 3 Widther testing with Worth in Feed at vice of Library St. Seed when the property of Control o
- 9. (b) However, against one $-\frac{59^{-40}}{40}$ = 25%
- 20. (c) The Half purporation, of mage they free figure of purpose regions. They all conditions of mage they are in the modern of the action of the property of the substitution of the action of the substitution of the action of the modern sequences. The first the substitution of the modern sequences are sequences.
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- 23, or Fig. 3, demonstrations paints in assignable bit #10,276 = 492

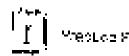
BUILDING



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Sulv<u>erus</u>,

A08AW 115.5;

1. (a) December carries : $\frac{52.2}{99.4} < 100 = 0.5\%$

- 2. 10
- 8 Follows right a securition of police

$$\frac{20.5 \cdot 20.4 \cdot 24.8 + 219.42777 + 20.8}{9}$$
$$= \frac{.47.0}{9} = 24.47010 \cdot 2006$$

- A. (a) Recurred personning $=\frac{30\%}{4819} \times 1000$ = 7.0%
- if a the conduction of about the equal years
 = (2.4 + 46.6 + 52.4 a) d (5)
 When a 40.0 s is indiprocession that \$30.5
 zects 6.
- 6 (c) Pysa (⊕ 1949)
 d * 2 = 35 = d = 6
- 3. Tab
- 8. (2) 25.0 of 80 \pm 30 \pm production of a negative $_{\rm C}$
- D. Italiano (modernos de messe

$$=\frac{80}{175}\frac{75}{25}\times 1.01 = 37\%$$

- 10. (a) 51233 grad 51 $\mu_0 = 0.339 \, cm_0$
- $M_{\rm c}(m_{\rm b}) \% = (10000)$
 - .. We get of Lie on \sim 1750

$$\frac{y}{100000} \approx 1700 = 0.075$$

- 18 m (\$ 1.23)
- $13.10 \cdot \frac{1200}{80000} = \frac{1}{20} = 0.08$
- $14 \ (4) \ \frac{2g(y)}{2g(y)} = \frac{8}{5} \pm 2 (y)$
- 15. ju
- 13 (b). Its rest of implicitate experts in the sec

$$\mathrm{dist}(\mathsf{P}_{\mathsf{G}}) = \frac{2\lambda \sqrt{1}}{235\sqrt{2}} - 2.0\lambda$$

$$\text{Page OT} = \frac{200633}{12530} = -30$$

$$1990.69 + \frac{481}{6421} = 1.3$$

$$799799 = 34093 \, 2439$$

 $M_{\rm b}(t)$. To coming a more exposure value is

$$235 \text{ GeV} \approx \frac{128 20 - 0.29}{104.6} \times 190 \approx 20.158$$

$$1334007 = \frac{3337 - 9737}{3774} = 400421.378$$

$$19900.34 \pm \frac{30.77119000}{2000} \times 1000 \pm 0.056$$

- 13. (c) 1484 | 0.000 | 5015 736 1 + 7696 | = 75. F2660 arone
- 19 Pa; Introduce between the 1.3048 for 1995-28 mBs (0.5.5 cm) in 0.857 = Bs (5510 m) in 1995-28 mBs (5210 m) re 1993-257 | 198 (6300 m) re
- 20 (s.) We obtain dents to more removed to the sign plan dents copy and from the Sinov-Solar Solar §1 act Suppose remour of cardias as someworks: equal to 2 acts about 1008 = 0.535 barroldate to Tippose. To supplies 1 chaptiover act

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- es and determination of respect to the small respect to the second of the second of the second determination of the second of th

$$-9.2 \pm 0.07 \pm 0.6 \pm 1000$$

$$\lambda \sim \frac{10000}{3 \times 0.56}$$

92 for early onless romide this its absent magnetices:

5.4 апртем назаукрати (b).

- 24. m. Fig. (able)(is after the molliplement who is highes a compart of product.) Hence (constant)
- 25 (c) Norm, Vence Goden (c).

FBBF



Bor Diagram

Bat Diagrams

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Advantager

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Disagvantage

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Simple Bar dingram

Simple for Brogner it is similar to Line graph to the particle called data can be recognized in an injury Brogner in a large Born Stagram and a first the first graph or large and association in proceedings above and bors which becomes according of respective years.

5s. 1



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2001 – 02
$$\Rightarrow \frac{-dh}{20} \times 100 = 96.653;$$

2002 OB
$$\Rightarrow \frac{\partial C}{\partial \Omega_0} (\eta \partial U \pm \varphi) v_0$$

$$2000 \cdot 94 = \frac{-70}{240} \cdot 994 \cdot 994,$$

முன்னர் வேடியாக கருதுத்

- Maximum in present in profit reas posterors, (i) then follows: 200(17)?
- Within the Increase of profit was accommod in transport 2000 04.

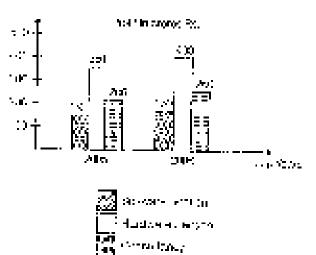
$$h = A^{2} \cos 2\theta \cos \theta = \frac{120}{5} \ln \frac{1000 + 200 + 100}{5}$$
$$= \frac{150}{4} + 167.5 \text{ eVal}$$

 $\mathcal{B} = \mathcal{A} \times \mathcal{B}$ according to the property of the contraction of the \mathcal{B}

$$= \frac{100}{100} \times \frac{100}{5} = 10.0000$$
$$= \frac{80}{100} \times \frac{1000}{5} = 10.0000$$

Multiple Ball Disgram

in Simple 3-d Chigmons only one concerns an incomparation. In the recommunity letter, of pale for the force of years we use minimals $\{a_i\}_{i=0}^{n}$ and a_i



지역, (2) He ance Sheat of Mepha port for twolicencies year, 2005 and 2006.

=0.000 to minimize partitiograph achieving in Fig. (b) we want as outside following H $_{\rm HI}$.

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- (a) Portwood so that it as a right of $g_{0}(r_{0})$
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- (h) Considerative 26b + 200 ± 30 Cr.
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(Substituting specifical by
$$\frac{19.3 - 10.0}{30} \cdot 100 = 20\%$$

Here were people () as
$$\frac{4.39 \pm 3.50}{380}$$
 s. 30.4 ± 14.232 s.

Conschange
$$\Rightarrow \frac{(600, ...00)}{200} \le \frac{1}{100} = 35.8$$
.

- Mitterum province operated by condense section.
- Maximum ignorth is diserted by recyclercy society.
- Cloudt is as in regnerance the discretion size to:

$$\frac{2^{2} \sin \left(\frac{1}{2} \frac{2008 + 700^{2} \sin 2005}{20000 \sin 2006} \right)}{20000 \sin 2006} \times 1000$$

$$= \frac{(100 + 400 + 380) \cdot (180 + 380 + 200)}{1.380 + 380 + 2000} \cdot \frac{1}{200}$$

Фотесаnd 25/ Diagram

Otthigoupo Ba, i Degrama arc amformable from Bar to ograms. The only difference between these two Ba, Diagrams is that in Compound Bor Diagram a Bingle Bar Diagram is condivided into sith emparts i world multiple bar these used in Multiple Ber Diagrams. Opinios no Bai Diagrams are assumed the divided for Diagrams.

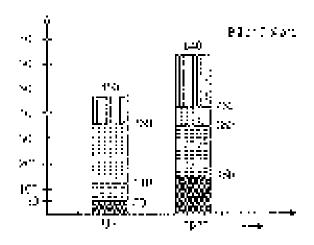




Fig. Esport Basket of two countries UK and Japan for year 2005 in 8 billion

inomine Compound Ber Degrent were swetch beingt seiter desstrom

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- Sel. Leading Agriculture product of the vi-

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- Sal. Acto socile Exercisi capsi.

= 0.250 billion

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$$\frac{200}{60} = \frac{40}{5} = 2.33 \text{ Hinds}$$

éxitati i otot export given in fig. of Jupani á necimben percentage higher dominal of USA

$$S_{G}(x) = \frac{6x^{3} - x^{3}}{\sqrt{6x}} \times 100$$
$$= \frac{160}{200} \times 100 \times 1009$$

Secont Car Diagram

Actornii war Diagram is sinu ar to Collego ad Bar Diagram iline en y discrepactischal brustischalgmen aus diagram betar displacet in notorn as samb person, bis diagram, whereas he protein (Derentballs modernound burete ponna sworm av not be escal





Fig. Export Booket of XYZ for financial year 2001 and 2008 in sillion on leng.

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 and $\beta_{i}(\beta_{i}) = \frac{1}{2}(\alpha_{i})$

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- Sakel billion far en se de la geologique.
- T 79 (Piler for Election of General
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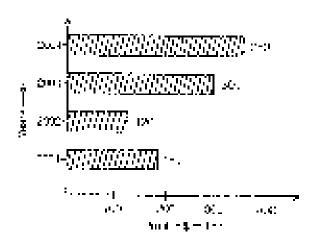
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Hurizonia, Bar Dagrams,

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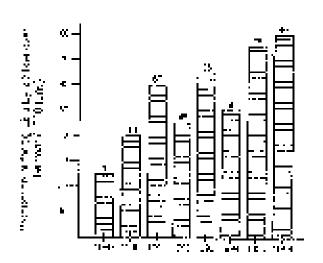


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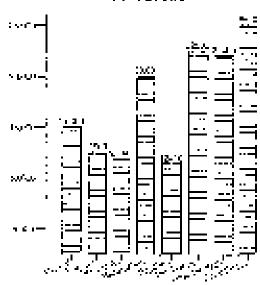


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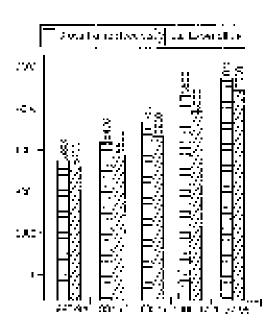


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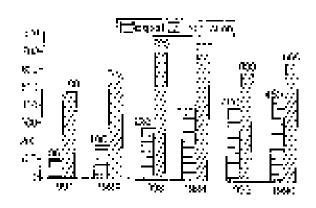


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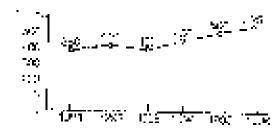
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4. 10) Asimgapi poporon

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5. (ст. Вединопромендарногур

$$\frac{60 - 65}{10} \times 100 = 2.49.$$

6. (c) Total cost population

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Heisshan Karnelsko i kryena

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$$r^{-6} r^{10}, \, \frac{190}{510} \propto 300 \pm \omega \frac{1}{2} \times$$

$$Tr = \{ Y(t) : \frac{(x,y)}{T(x)} = \{ (x) = x(0) \}_0$$

$$40.799 {\rm Au}_{\rm c} \frac{2000}{6000} \times 10^{200}, 56.65 {\rm e}$$

$$r = 500, \frac{4.0}{80.1} \times 7.0 \times 6.1 \text{ (c.)}$$

97, \$9, 720, 258, 482 of long total construction of teach 1950.

Popular of at Poly ,
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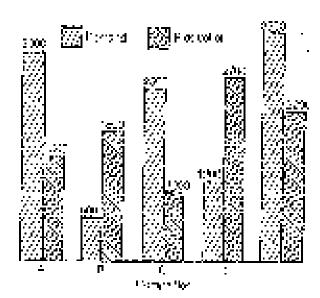
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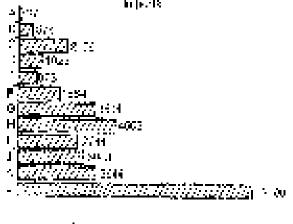
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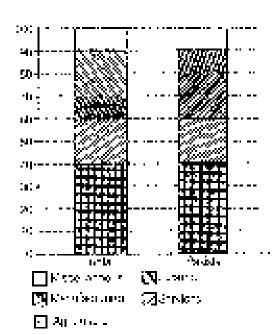




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- (b) Clearly it see is a steady indicase in the production of orthogolar by the given exists in case or sixtes Alama C.
- 3. (b) $(2.1.14 \pm 7) \times 1000 = 29002 \cdot covers$
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- 6. (d) The comparies having more defiant that production the A, C. B. The manuscript 3, five earlier as as as having more looker atom than depreted are B at d.C. Their matters \$2.
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- In. (a) Out of a later of Passing Has disclosured and a later of the Authorization of the Authorizati
- 12 (6) Virtually 5 and soft still bull of total manufallight
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- 15. (b) 614667
- liá. (a) i Secucio esperantes (c) 200€, i o i i y illimitat carvelle li India.

- 47. (a) 20% of 100001+ 2000
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- 19 (d) A though it is percentage on Sala be actified as later, a proughtor a consider topic particles as a confidence of the salar percentage of the confidence of the associated as a confidence of the confid
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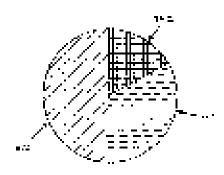


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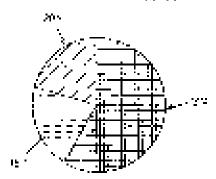
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Pio-Chartil



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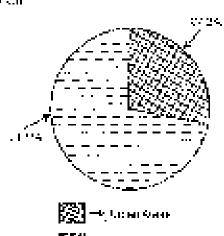
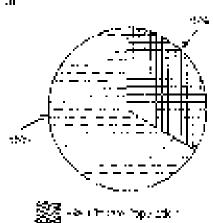


Fig.

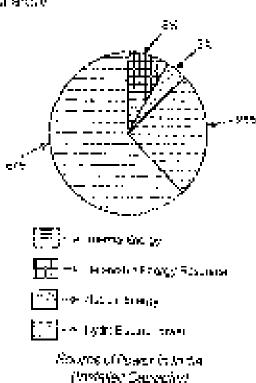
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Pie Charelli



- See Thirth Paper Stope

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Pie Charel

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Contribution of industries is 27% and approgrammely. 16% appears are amployed a industries.

Re Chart II

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Pic Chap-III

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Ріс Оляд-ІУ

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- $\sim 29 \pi G$ and призвенье (4.55g) fancy (4.55g)
- 2. Pig-C#erts / z producting of the control form

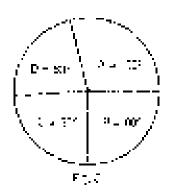
Conversion

$$1 - 92 = \frac{350}{100} - 3.69$$

$$1 = \frac{100}{550} = \left(\frac{100}{350}\right)^{-1}$$

constavación con celegión guarante,

Exercisin I



in a clear in MADDELARY

From above the praction can ensure following in each κ

- Succept a section A to now a suggestion from the section by
- 80 Eection A ∈ (05*

$$\Rightarrow \frac{105}{40} \frac{95}{10} \dots 90$$

$$\leftrightarrow \frac{15}{60} \times 100$$

- → 133905 App.
- Students to certain all a new mony times from the fell students in program D2
- เรียก (ซึ่งเกียกตาก (เมื่อว

$$\frac{195}{50} \sim \frac{21}{16} \approx 1.3 \, 105 \, (\mu \, \gamma)$$

rendo ! 1 | Francise Sustaise: 1

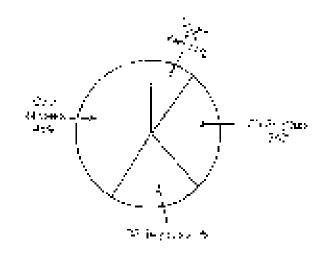
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 - (a) = (a)
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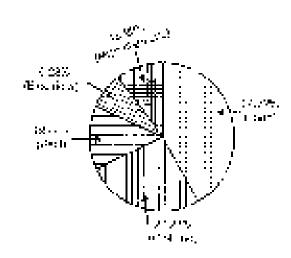
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- (x) homedonege
- 15. If a citate asymptom congress 2007 is projected to achieve on the citate of substance of a citate of I was month in execution subsequences in great the great must consume a page 19.
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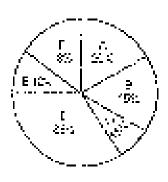


- The true becomes the money second at Strik, And cooks.
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- (d) Act A (id) ese
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- 15. If the income of a family increase by Hs. 10001 c.m., then they are contracted, (in rundles) on a controlly should increase by needs.
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- 35. This representationly \$184,8000 p.k. the other contribution of ference of the eigenstate of Hermolyans Macelahaus is a kind parameter.
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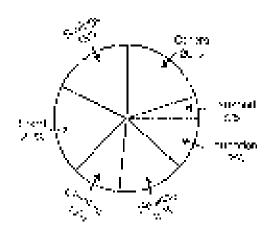


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- $\mathcal{F}(A)$ (c). Self, what site is out of boys and girs?
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- (5) 4. %
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- 71; F 6
- 16. For all ichicair of course is the number of trays the comp?
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- (2) 5
- 21. Ном погуд схоры на від годове (22
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- (6) 民机等种的
- 23. If the Guiel surger is performed the 40,000, how much shorted was approximated and 45 of housing ages as?
 - (4) [5y, 11500]
- 795 Ps. 1750
- (c) Re. 10000
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- Sit. The haloural property arround at size ey spent on the region of the section scale.
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- [78] A 1.54
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- ter for each
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COCO

Sections

44989671 <u>[</u>0.5]

1. (a) Marks appropriational tend one Valles

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Malossocied in Enplit mod School Schools

$$=\frac{120}{380} \times (400 - 1800)$$

 $8.1160 \cdot 10000 - 3000$

$$200^{10} N_{\rm c} = \frac{9100}{1000} \times 200^{10} \times 7982^{0} \pm (0.0)$$

Economica er de ist

- 250 100 a 100
- $O_{1} = (1, y_{1})(y_{2}) + (x_{3}y_{2})$

$$105 = \frac{990}{646} \times 1..5 \approx nM.$$

9. (c) W/T . (0%)

$$270^{3} = \frac{110^{3}}{500} \times 200 = 55 \frac{1}{9} \, r_{\rm b}.$$

- 5 96
- 3. ::5
- 7. (a) 20% of 2182.4 belon:

$$\sim \frac{2180.4}{5} \sim 489.60 \approx 5000 b \cdot \text{km}$$

- B. (6)
- \mathbb{R} od: Section to (34:50-8).5
- 10. (b) To alphanoral memority 2002 ± 2/169 ± 1/4/16. To alphanoral formula 2009 to 1/2/29

$$\lambda = \gamma - 20 \approx \alpha (5 + 2488) 1$$

$$\{9.1, -\frac{5}{8} \times 29.5834 - 2082.334 + 2100$$

- $M_{\odot}(0)$. On a construction, in the year 2007 \pm 1500 with the harmonic stery ear 2009 wight position
 - is international increased growth it 8878
- 2.46). ASIA between the thompy to barion rapidly γ mod

$$\pm \frac{1.044}{31.05} \pm \frac{3.744}{38.07} \pm \frac{13}{35}$$

8. (d) Excenditure the others.

 $= 20.9855 \ m/26, \ 12000 \ \omega / \ m_{\odot} \ \omega 3333 \ a c$

Expenditure on a earliging

- = 0.998.6110000 P 1<u>12.00.00</u>
- \sim Required officeancy wilds. (2000)

Allemative

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300.2836 + 10.5936 + 1036

- ∍S#act tobres
- 4 65. 200 App.

$$M_{\rm b}(t)$$
 Decreases with $\frac{5.4\pi}{-5.25}=1.52$.

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- 15 (a) Anichol of electrophy x + y charge yy 6a 102.90 x + y 100
- 18. (a) Resulted allerance will be 16 ago. 110 ago. గాలకు, inspection of a rily magnit
- 17° (a) Tabulars of suitable to congregions $(3.3 \pm 3.0) \pm 3.00$

No. of the students for course the LCM to page 4.540.

Pin in they saudonie the optime () -480 - 220, -160

Book follow that the y = y + x

- 18. (c) Not of boys to refferent coars a service (2 ± 0; 8 ± 100; 0 ± 44 ±) = 180; 0 ± 32 ± ± + c; Horas C & Farmanne
- (9) (a) Total studyn(s)(a) E = 197, (a) 200, = 122
 (4) Alford order = 1, 14% at 201, 41%
 (3) No. at preparation reserves

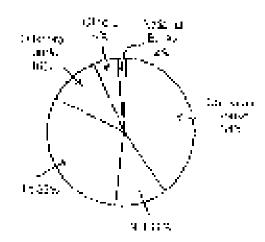
Hood have
$$28 = \frac{11.2 \times 10.7}{82} \times 10.1 = 9309$$
.

- 20. (d) sit not the information given in 2, weight
- $\mathcal{P}(f,\{v\})$ have a grift to counter $G=\{y_i,v_i,y_i\}_{i=1,\dots,N}$
- 27, (c) 23% of 40000 Re, 12550
- 23. (a) 18.65 (4x6000 ± 15. 1153);
- **24.** (1) Resolved state $-15 \cdot 12 \pm 5 : 8$
- 85. (g) 1238 AW Legg.
- 98 (c) 15% (64/prin 172, 83.0)



^ars of Cel Expression (45: 1)

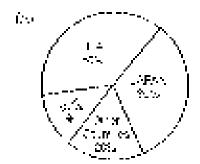
Uncollan (Os. 1 to 7). The latesting less than shows it stands to be understood in the Bellina from different defragor each investiges.

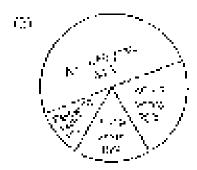


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 - E) Lyakting trail
- 1911 A Ottomer.
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- 111 ±3.43.5 mae
- Z. Milat coreontage of the total investment terming. Fund there is a grighter.
 - 150 000 %
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- (i) 44%
- 311 225g
- 3. Her Stationestimon(s) or from y Fluide corporate in the six silts 435 (C) Octors that the investment by 45 state (Cfrance to Cov. Let (approximally))
 - W 3/4, 00
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 - 10) Can* heldecomproved
- 4. Which is the appropriate ratio of the support these non-fitting points from Nets to corporate that set Σ
 - (a) β : a
 - $H_{\rm s} = \pm 3$
 - 35 3 i
 - (iii) Can toe dojermineo.
- o. In the comprehension to appropriately been many vulgoods to discontain the control and applied.
 - 69 *6*50
- (91, 721)
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- I the total besets turning a four P is worth to be decided in the restly on a NT replacement gave.

- (H) 19%
- Gi 30%
- $(\pi) = 0.0\%$
- (3) Cash boldsteinnings
- 7 State time from the Fig. after the doubling (osigned).
 D. Question Streets attend the 500 principal evolution to the false investment to be had a bond most sent in 197 milk, (s).
 - H) 10(0)
 - $\{2\}$ (3.30)
 - 651 976
 - (a. Da Niberde on Mari

Giraction (QS | 8 to 11): (Alivino (L) exhibit the actual puy DI 10) to item of a first more than the age of age of any item outsite that the actual by (A) and the age of actual of the four subsequently. (A) any the age of the actual of the first more than a matter outside the actual of the actual of the actual outside of the actual outside

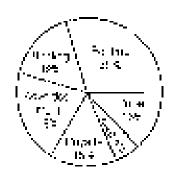




- 8. What salunippe of no information, (), wip or had სწლიის ა
 - (s) 70%
- 000,000%
- July Block
- 64: 30%
- B. The rate of the matter of make representative to 1994 to the number of normal right of executions and the research series of the second series of the sec

- 190 L. L
- **3**00 9 : 8
- (c) 3 8
- (dl. Deri lib determine):
- 10. Plan orage of concount the Mixing engage outlood for 30% or intended to organize the figure of a sentent more officer \$\int \text{Serior poor or it at a maximal \$23 to show a bound from the gone to \$\int \text{Serior and during the year of an if or the runner of \$\int \text{Serior and during the year of an if or the runner of \$\int \text{Serior and during the large of \$\int \text{Serior and \$\int \text{
 - (b) 19. dein de
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- (π) in \mathbb{C} with
- gaingt auf
- For Question 10, whet year the volume on letter of no control (%). If the USY
 - 6.1 150 l⊴kg
- 100 125144
- (c) Coulder.
- (a) Name of Inter-

Offection (Qs. 12 to 18): Providency be represented in a capability to the triging for in the complete or a customer.

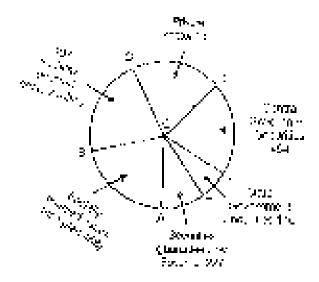


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- 12. What is the callus langua of the sector to language with a paper?
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- 11. The impactment's charge, are 81 cost the offers and page are
 - tain To House
- (th) Fig. 20000
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- (c) 35, 1806.
- The Michael sequence of problems of the majety early expected to the definition of the figure of the contract outside the early appeals of the contract the cody is a of each cody in

- po 76. ta 20
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- 10) 19, 21, 50
- 61∟Fig Out
- mysty is the book is costing the advertisamen. Nauges ba
 - (8) (3) (4)
- > (9) 1€ ⁹ %
- (a) 20%,
- of Nureal Lead

Direction (Ca. 17 to 21): The group is gas, next at the 100400000 Cu produce of the scale 10040000 colors of tapes $\mathbb{Z}[[1]]$ 10 Herselvice and Repending to perchangiver below



On the basic of the above information asswer the Mileting questions.

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 - [2] 7,154.
- Cor 7.0%
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- 19. It string if the of this $(0, s_1, s_2, \gamma_0)$
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- d: 11-
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- that is a gradual of the control of the property of the state of the s Gurdan da l Death Convenience in Government six to their Derick, and Rometry ...
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- 31. The Ricking area of the property of $\mu_{\rm B}$, $\mu_{\rm C}$ area of dominate people and reports.
 - (9) I
- iti; :::::#
- KC DW
- (d) 0.32

1,1,1,1,1,1

Not**u**fams

Aillawer I fo 5 :

- AM (37/2 file 400 mpg.
- 2. (c) 999 + 11 % = 44%
- (a) Prostula cod on minible or promotion regises. $0.5355 \pm 3.7513 \oplus 1.555, (19.80 \pm 0.94), (19.50 \pm 0.48)$ universal Marks is social to 27%, process.

$$2J > \frac{90 \, \mathrm{g} \log t}{95} \sim 274 \cdot 100$$

- $4 \pm (0)$. If the appropriate consequence is 0.3
- 5. (c) \$1x36 = 00.4 (3) ca (3) = 36 (4-grads)
- fit:) If a currently account to \$5 per on up up upin at this upublice on figlical promotion entering replacement the intering work exposed to ascoron is 3 which is not proving association to \$0%.
- Co. (A) ISCOmition would be opposed that y 50 G lighten. total constituent. Then, not white this year. EVSSENHELL
- $8. \quad (68.19) = 0.180\% \, (50.1819) \, (68.19) \, (69.19)$
- 9. (a) 40 18 ± 3 g
- (0,(d),(d),(d)) and (d) (d)رهن ود وبالنسك ا
- Project Seasonant for releasing Balance Stanforce So hedevals on a select this a major her
- 12. (d) Conzulangie (wie decemblishe paper

$$= \left(\frac{16}{100} \times 560\right)^{1/2} \cdot 1.67 \cdot 36.$$

- $100~{
 m fb}()$. Let ϵ modify the $m M_{\odot}$ $m _{\odot}$ m Triple
 - 05 G 7500 to
 - $x = \left(\frac{158 \cdot 17561}{5}\right) = (58.168)$

and (0,1) , we introduce the map of the first term of the first t

13. (c) —all the total α concrete $\alpha_{\rm BB}$. Then 4 = 100 m; 6988 ± 100 v.

$$-\frac{(4\xi_{11}3424)}{4} = \text{Fis. (33330)}$$

- . Autom 3s (3859)
- A Cotto isso cast grow

$$= 15 \pi \left(\frac{(290190)}{199000} \right) + (49.077.49).$$

 $\sim M^2$ replaced = 120 Å of $P_{\rm K}/p_{\rm h}$ on

$$= \operatorname{Re} \left(\frac{100}{100} \times 95 / 20 \right) = \operatorname{Re} (31.5)$$

18. (b) L2 my4 $_{\rm H}$ at R4. 15. The converse mages and 15.

A Required vertice maps =
$$\left(\frac{3}{16}\times 10^{3}\right)$$
 at $\log n$. Fig. : 31.50

17 , (a) — MSI i regionar (ω (493 = 107 = 109 \times 467 ω 140 \times 467 to occasi

A more into percentage
$$= \left(\frac{1440}{1626} \times 16\right) \xi_1$$

= 7.13)

$$\begin{split} & 18.4(0) \cdot \text{MACK}_{0} = \frac{\left[\frac{1058 \cdot 41070 \text{ proping}}{1629 \cdot 61098} \right]}{1629 \cdot 61098} \\ & = \frac{10697 \cdot 699}{07729} \times 300, \left[103957, \right] \end{split}$$

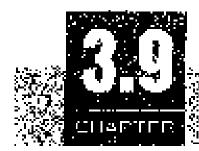
- 18. (b) Invasible masicials at energy ships; = 1:55 + 102 points in Standardes; A boosts of the atties of check collawisgion Standardes to 1:300e in one association by 12 rule.
- 200 (s) thread that the respective part (Section 1885) was the first the section of the content of the sections of the content of the section $1000\,\mathrm{MeV}$

$$A = F(\theta x_0) \ln \theta \theta + \exp(\theta x_0) = -\frac{2}{\pi} \left(\frac{10}{10} \times \ln \theta \right) \ln \theta$$
 = 0.7%

21. No Fequiled Board

$$\frac{(185 + 6.94) \cdot 449}{107 \cdot 1456 \cdot 4.657} = \frac{927}{256}$$

$$\approx \frac{99}{107} + 9.646.$$



Perales

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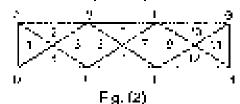
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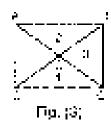
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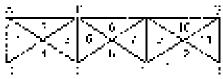
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$$54 \text{HM}_{\odot} \approx 52 \pm 52$$

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Πισ. (**6**).

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$$\Delta D37 = 24 + 43 + 35 + 56$$

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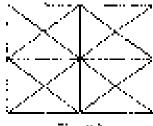
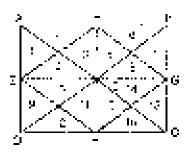
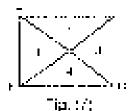


Fig. (b)

Note of Circle, argles' pleasant be fac-301. Policina in



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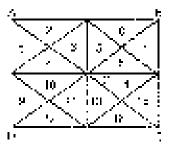


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Eq (E)

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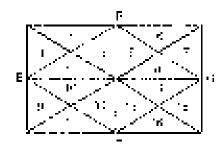
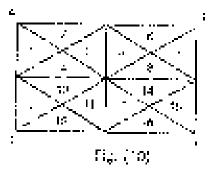


Fig. (2).

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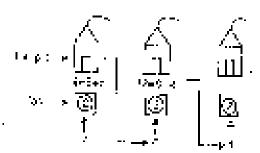


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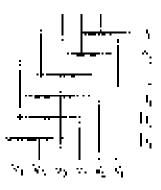
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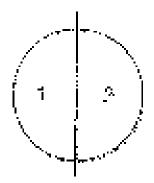
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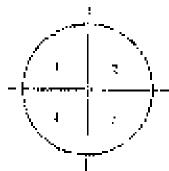
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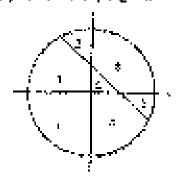
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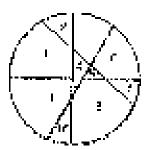
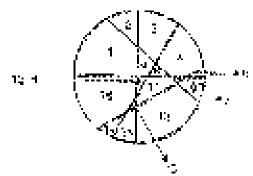


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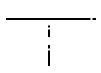
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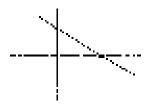
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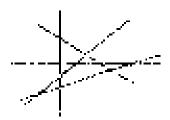
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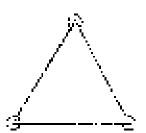
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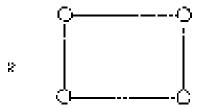
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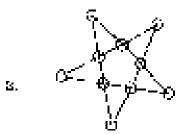
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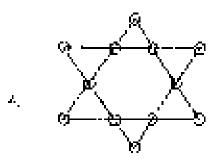
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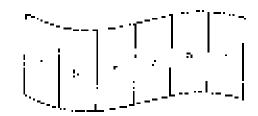
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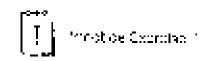


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$$\frac{2}{3} \left[\frac{2}{3} (3 + 3 + 1) \right] \cdot \frac{2}{3} \left[\frac{3}{3} (3 + 3 + 1) \right]$$

$$p_i(p_i) = \frac{S_i + \frac{1}{2} \frac{1}{2}}{\frac{1}{2} \frac{1}{2}}.$$

ਜ਼ਿੰਨਬੰਧ ਸ਼ਾਹਕ ਗੁਦਲੀਆਂ <u>ਕੋਟ ਵਿੱਚ</u> ਜ਼ਿਲਬੰਧ ਸ਼ਾਹਕ ਗੁਦਲੀਆਂ <u>ਕੋਟ</u> ਜ਼ਿਲਬੰਧ ਸ਼ਾਹਕ ਜ਼ਿਲਬੰਧ

$$\lim_{N\to\infty} \frac{38 + 288 + 27}{27} = \frac{39 + 88}{27} + 289 + 364 + 349$$

. In the drightal limits , this involves $\frac{\partial a_{ij}}{\partial x_{ij}} \frac{\partial x_{ij}}{\partial x_{ij}}$ is

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Answer 21 in Sec.

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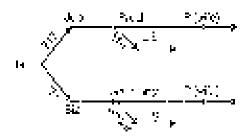
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Swelade 10 by 11 ±0 by ≤ end swent.

- $(20.66) \times 0.768$ wis notice to $7 \times 10^{-1} s = 20$ which is
- **27.** (c) $\mathbb{R}^n \cap \mathbb{R}^n$ is instability $\mathbb{R}^n \cap \mathbb{R}^n = \# A_0$ which is \mathbb{R}^n
- 27 (a) 18 \pm 1 | 9 \pm outly (4) | 5 \pm 1 | 9 \pm 40 \pm

Answer 29 to 30:

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- 99. (n)
- 30.7c) His mult 334, and not 151 ktd modes at all properties.
- 31. (a) The basingh benief be that RU (1) as price, but if betwie is Herman minimum production job. Herman street, j. j. 6. (a).
- 32.7%
- 38. (1) As figure wodes in Adapting the demonstration of Disputation (Agreents and Architecture) of Ramonda and Association (1).

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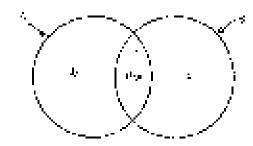


Logical Verin Diagrams

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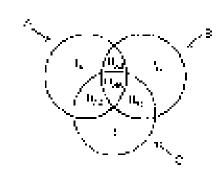


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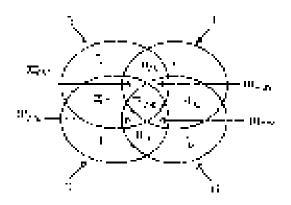
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 \mathbf{I}_{Ω} (quiesants Ω only (455 A, R or 11).

Lyteprosents (North Ask Biol. 3)

 $\Pi_{ap}(\Theta)$ (Here is Θ and Ω only (held) for (i)

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 Π_{SD} is never as C and profyrom A is R).

 H_{CM} represents $\Delta_{i} \approx \alpha \, \text{m}^{2} \, \text{div} \, (i, o, D)$

 $\langle H_{\rm egg} \rangle$ topic seams P. C and Eventy (both A)

 $\mathbb{P}^{1}_{\mathrm{GE}}$ represents 6, 0 and (2.5 y) and \mathbb{P}_{2}

also, represents $A_{ij}(\theta, \theta, D, G, W(\theta, G))$

 W_{2200} for sever $s \wedge 1.45$ and that

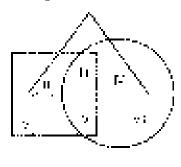
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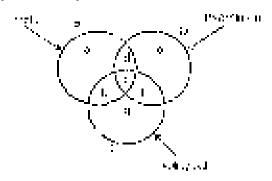
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Prooffee Exercise 1

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- Direction (Cat 216 5). The label given below our six significance of these intensiting on these widon tenses in section 5, our talk for that Tennis (Bachning) rand Minleybell Each region in the lighter is envisemed by 9 smell eden.



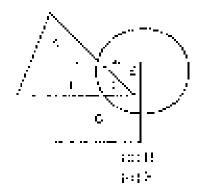
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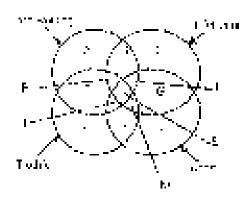
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- 6. In the given figure, the triengle root seams gins, the significance represents about a personn miner gum which race exerts until who are substituted exerts until who are substituted couples in the proplace left.

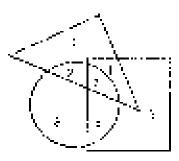


Direction (US. 7 to 11). Balate is given a light, with four intersection, and exhibition equivalent type group. It possesses rewind the acceptance then departs it, shorty heldingum as a pury and analysis and a mallished hard helding.



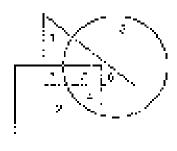
- 7 The region will are proportion to becode who at a more good notice that the finite to the there washing independently.
 - (d) --
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- (a., 64)
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- 9. The region within represents periods who also relative to expect of other index or electrical particles. In
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- (i) (1900) After the fact that coworking introductions are not followed in proceedings;
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- 12. If Tall is equivalent wich the American colorangle and G. Ang for subsets many lawfed through each representation of all through each representations.



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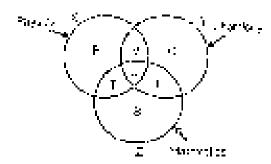


- 13. Number of glad tales in socially gardisations:
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- got signere.
- 14. Ranger of a graduates miscon argument one day.
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- 15. Rumba of great seasing placed malor gamication
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16 Third Wilwing Dagrah , equipment proceeds we manifold of the least of the Papeas as gladicates. Which numbered area recreases within a soft of the papeas.

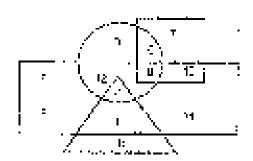


- it: H
- 50 E
- rd: 13
- 17. The diagram activation are mannerated more sports after thy are. Otherwise, and Methel relice, Study are sized in the factor and on whom represents after all Carter and sports of the Physics and Mathematics (20) are Champion.



- 191 1
- 55 P # 17 × 5
- on the second of the second

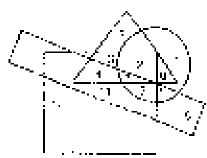
Direction (Qs. 19 to **25**) : The following curvaters kind based on the range amignors before



- in Bacinn, renepiesento inclusi
- (2) Year glorepressal is educated.
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- (4) Equation presents the Leonesta.

- 16. Yhdia hengif ofotosing is at souraladi nale wikt ish ulan ulba hesidar 2
- ,h) :
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- 21. Who among the following is on equation with with half from after crea?
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- 22. With 45 original following is combinated oncomes an arbaning of
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- 33. Who chang the of two gifts of lyapin Lee vantibles and expression of carbonic accompanies.
 - (4)
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- (a) = 1
- 24. Who allog facts towing is a moter than in enternation and allowing transportational ?
 - (5) 13
- (b) 12
- ici (i
- $\mathbf{q}(\mathbf{q}) = \mathbf{Q}$
- 26. Weeping the lot owing in a method of several, whom traffered cores as inchicago abasensa?
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- 20. The logarity sembled to another the local large possession and productly segment
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- 29. Factor working notice of perpendicular single companyor, not relations great associategies.
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Solutions

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- g. (i) The Additionagies of case, another broading of the frampulation action by the obtained for computer;
- (c) the inquired regards (income a chistory in protome only as 2 to not 4 bid should pay (of a row income).
- 8 (2) Institution opinis, governments sommer, selfne businens in te
 - Stiff erest telliogid in the art wind legen in the constances in Parkin But Separate en tellisia ; 8
 - *Apply The Leading streams to the province to the control of the
 - 11.(c) The open on to have selected by no persons have early belief on all or all common y(z) west familiable, smaller partial or the Rei grade Companie 4 up. to
 - 12.ib) Strong and not will be remeasure by the ragion which is builded as no occurant and helpigaging buries of the other areas.
 - 16.(a) The recursion region is the energy months and the control Many effects (small).
 - 14 (C) jina to salah seguri isibi diperberatawan ilipiye . Nasaja wan produbili (asini isiye ji gi barawa . Salah
 - (iii) the constant or provide the engineer of the than great discount or regions from the
 - 16.(b) The addition region is the one out it will be income.
 Suggestion leads on the control of the c
 - 17 for the respect to tragen in the convenience conceeds with high Mandle transfers of Magazine color to. T
 - (80.9) In person which $\eta_{\rm c}^2$, is given bondoons is the conditionary to mag $q_{\rm c}$ and is connected.

- The triangle or direct calls right but has adding the open calls as
- 1900 The proposed sying the given complicing a represented by the legical which insighted as finite but outside the aguerand precising a sight the triangle halo.
- 70.) § The person solidy: § the given we also also also as a supplied to exemple of the context of the context in the context of the conte
- 53 (no that to some onlying the given conditions is exercised to be demonstrated is compared that such on the extension around the six years.
- 27 (C) The person smoothly die provinceanthing is tourned by control of an which lies by statement that close is by the first control of the course is by the first course is by the first course of the course is by the first course of the c
 - Remarks: The condition of terms into the condition of the condition of the same as a region of the square and the sign of the
- 98.(n) The delectrical straing are given in contractly the opposite relicans contractly gare but a section of the order receiving early transposer 7.
- 87.00 The person salely of the gload condition in datales by the region who in permitting a reconget, shaking different and personalise the transport of 3
- 25.(L) The person satisfaint meigher contributes a supported by a ensuing contribute of a facility described as in the sounds (kg., ving particle of a larger on a disciplination).
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- 27.00) The mounted set of coopin is represented by the mounted for or wide the diagonal triace. Let under hit or discential proportion of a diagonal control of a control of a diagonal control of a d
- PB.() in the tequired substituting the Screptus principle, vide expression of the second express

- 20./4) The vacatree hall of people of people to the remains on the hall the equal 6 and to be on the triangle, or be more assumptions.
- ¿Cipa; The recurred ast or receptor a constead by the region outranor and explicitly applicable rectingly.
 and integrated 1.
- §1 (b) The roop if ad an obscuped is represented by the region of addition into an in the triangle and one aquest but its buddle that pircle and ractargle as 3.
- \$2,00 The per true, set of proper is dismost by the region with the period to the true-global discontinuous or to e, and known period or really inequal global the wigger of the period

- 38.35) The രീഗൻ edisation payments representation by the region which is polarison of hem angle square end of the burishoos, certail he morangio lab 2,
- Gri für Tile socired set allpeciple (a) resenten by Jilo region invitien ups ou side this disple land is displicated to the righter show and region and 4.
- Plut(a) the required set of occard is denoted by the region which is common is been originally distributed by the collection of a partial vitnes the reclargible of the square tubble.

마본 종급

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Apalytical Reasoning



Pleotha Szakátekt

Biroding or Questions (1 to 3).

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- From it atting exactly capacite of a rollog to encodiate liquid.
- (ii) D is previon A and B and Is exactly appoint to C.
- $\sim -8.97 \, s$, the below permison of the following part on percentage
 - (k) 7 and 5
- :b) Herd⊡
- ic Corbo
- (b) None billiese.
- 2. Who is silling occessions?
 - (त) ⊑
- ille Le
- ich A.
- id: C
- 3 To react fit with awing the askering contain suggestions as a semantic group. Which somether that the charge to thing door.
 - (a) 5 C
- HL: 5.15
- 66 3 6
- sá E A

Direction for Questions, (4.56.5).

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Sublication of the violational of them are one part seed and keptific remaining to discount in the part seed to an executive management of equations are as four elements on as year well share. In this Cause 314 1156 c.

- 4. How harry address in retained the Alfa
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- 1. 11
- A) home of shopper
- 5 in the money excludes, in what did 6 gap?
 - 141-21
- 201 (5)
- (b) 29
- My hore onnesse
- Ell Provincing Nachtrie, in regulation and
 - (a) 31
- 1...1 1.00
- fer 35
- The Abron of Hiese
- Show any lackets are given to A by via Union?
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- (c) 119
- ان ويون (إلى Paga) (19
- δ . How many subtoos the Alcal the first three
 - (3) \$2.
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Direction for Guestians (9 to 13)

- (ii) A₁ × C₁ is 5.7 G sort through threads, these of their play diskes and table transis economic ted of their play a pbott Reptime on the impaa different pleight.
- (i) The added difference by Bouard tyring the promote difference by Global
- (3) It is talken then A 60 III by detection than Higher Bild who dies stoplay onexet, is substantially adds, works to the talket Gits shocker than to by talket soon A.
- (b) h, who is fourth to also jop, p-try rable it, and win D;
- (k. Glidock vytig lagosi Yer unktoskym modstval Hartnest. F.O. pravi Isorija I

S. Vino ethe fellog?

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11. Which of no twinsing halls this adaptey for party

(n) a⊤

(9) FA

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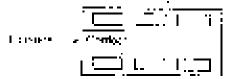
(h) 3.74=

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(d) Tempor Horse

Direction for Guestions: (14th 17)



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15. Whose office Japp Aniathry:

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(a) A only

(b) A & H

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 $\mathbf{u}^{*} = \mathbf{t}^{*}_{i}$

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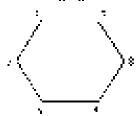
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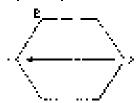
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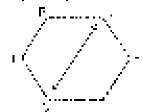
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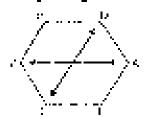
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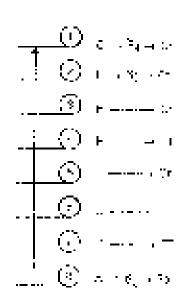
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- 55. (3)
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[2010. 1 Ms/j:1

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[23.6 2 Marks]

- 2. a skilled werk mallour lands a wall in 20 de ys. Associals fed werkers (as but have at in 20, days). It the school we the school to it described an exploration of the order of the year.
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[2010] 7 Mailian

- 4. Gleat digits 2, 2, 3, 5, 0, 4, 4, 1, 1 key, myry dighter 4 digit in independence (fron 7,00) coming that heal?
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[2013, 2 Manss]

- 5. cut filterness towed from Capus presidings at the transland sister, at AP Acceptance of Phase by the equidance is between any reconstruction with a first participation and less expression of Speak Picard, with town places.
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(d) 1-500

[3910, 2 hards]

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[CE, MU CS 2011, 1 Mart. (Set 1),

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[CB, MF, CS 201 - 2 Marks (Sapiti)]

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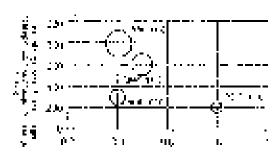
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(200) 900, Ma, CS 2011, 2 Marks (350-1)]

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90F, MF, 05 2011, 2 Marks (3sl-1);

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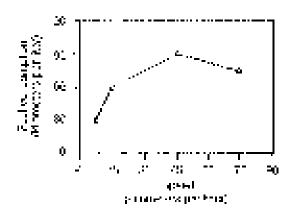
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[FF: FC:2011], 1 Mart. (Ser-2)[.

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TLE, CC 2011, \$ Marks (Ref-2)].

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[E8], EC 2011, 8 Marks (Act 2)].

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 - $(0) \cdot (-9s^{-1}) \cdot (100^{-1} 915 1).$

- (c) (42: 31 to 31 8h or)
- (a) $(469 \text{ pg}^2)7 81 \sim 104$

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[GH, WR, CS 2512, 1 Mark (Set 1)].

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[OE, ML IOS 2019, 9 Marks (3e), 1().

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- [9] 1.02-61
- 30, 0.271
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(CE, MS, CS 2012, 2 martia (SA)-1)).

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ICH, MEI GS 2012, 2 Made (34 H)

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- $\hat{\rho}_{ij} = 2 \hat{\rho}_{ij}$

(CE, M€, GS 20, 2, 2 Marks (Sch. 1))

- $6.0 \cdot 001)^{1263} = 3.52 \cdot 0.0019154 = 7.85, ... ter.$ [14:0116⁶⁷
 - 71 7 35
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- [8] PT 54
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9515-FD 2012 1 Mars (Set-2)]

- Rtj. Wat fourierov ord. (Exp.) 24, 2002/99 p. ាំ) បន្តទី 20 natus and iki temetas i njejeja ngaga With the noter its 200 The purple one of торыя інші Моди поря жі
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[68, 50 3012, 2 Marks (Sel-2)]

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°EE, EC 2012, 7 Marks (Ser 2)]

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- (a) 10%
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[98, EC 2012, 9 Marks (Se) 201

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(BC, BC, 2012, 7 Marks (846-2))

- 200 . But a row in this greater than 7% allow mater than 11715 Dec 81.
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- $y \in \mathbb{R}$).
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[66-8010, 1 Mark (865-1)]

- 27. A Printe so Propri productive, \$60% (1), the lots vascas amatriallar 및 장네UU and arm is han jag len invalue হ'ড00, Lehren teral costi ibreresse by 20%. By what parter squart envises than to a normana in mei dy'r hy samt wydd ery
 - ia⁻' 5
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[06/2013], 2 Mar to (Set 11).

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- 5, 2011 proof of the Opening rap congress. have registered a process by some new energy?
- (C) Psychiatorial and satary and scanes
- \mathbb{R}^n Satisfy and was jets will adverte eq.(
- (a) Provisional Collision attachsing
- iii-aan aterintana resaudi ang powipumort. FCE 2003, P Marks (Sel. 1)].
- if late $|\cdot| = 5$, for this value of $\delta |x| = \{-\delta i_0$
 - $(a) = 2 \frac{1}{2}$
- -1 if $(\frac{1}{2}, 3)$

(CE 2012, P Marks (Ee)-[3]

- 87 . Каническум разібу турпін туру ененді. COLUMN
 - 20. 4 × 2 3 (1) × 4 3/3 6.

For which values of (x,y) the foreton (v,y) = 2x + (y,w) in the light contraction

- (5) 47 10(3)
- 100 88 300
- (4) 6/5, 10/4
- (3) 1/2, 25 (3)

[0h 2015, 2 March (5m-1)].

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- App. 1959)
- 66; 75**:9**0 :
- 15) 77(3)

- fMH, PFA OS/IT 2013, 2 Mg/ks (Sg., 2)1.
- 35 Allowed committee of the currently hard of $800\,\mathrm{km}^{3}$, with Telephanner by $b_{\mathrm{c}} g(a)$ and $km g^{2}$ a the entry bytems in the promate average. uponough strongstilpk (med ning halve) $\pm i k \epsilon_0$ now
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[ME. F. A. CSPT 2010, S.Marus (Sangt).

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-30 a 57

- 610 7
- 7.0 8
- 63; 5:
- 63] 10

[MF] PLS CSylf, Srt. S. 9 Marks (Smt. 2)1

- 35. The current election compares a subsequent შნ სწმმშაშ "Iz hitto in wages ser god in zwage $\mathcal{A}^{-1} \overset{\mathcal{S}}{\sim} \sigma^{1} \mathcal{A}^{-1}$ to the transfer greatest the senting begins ownership 10s obtains are period from the Disvision of the other in Parising
 - (2) (1, 1, 2, 3)

-100

- $(Q^{*}-1)\in \mathbb{R}^{n}$
- 96.1
- (d) [0, 20]

[MH 24 A CERT 2003 (2 vs. ks (2e, 2)].

- 96. The residence of the Chapter of the Date of the Angeles 1. 3 (38) at the enday on Weyl Logging who, 4. In J. and of Lepton bitter stay ago que, in tapcomplete to Thursday was 15% by common that of Marcke, than the terror allege to the The entry $w_{k,k}$
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- [h: 43
- (6) 41.
- (5) 13
- (PF, EC, IN 30, A, 1 Mark (991-2))

- ng. TA dar irregia 5 km indie N.S. byzaiter bij za 1990. Uk ali dhe second su watann. Ti lamin iha had gin on The hydroge sheet (fillers, in a real luctive Seempian wis
 - (4) (3)

 $g \in A^*$:

190 (24)

(HH, HD) (1/2313, 2 Marks (Get-3))

Time the part to places of the series of 36 .. 171 *

$$(s) = \frac{(3(3-4))}{2(5-4)} + 1 \qquad (b) = \frac{9(9^7-5)}{2} + 1$$

$$\lim_{t\to\infty} \frac{8(8t^2-1)}{8(8t^2-1)} = 2 + \frac{8(8t^2-1)}{8(8t^2-1)} = 1 + \frac{8}{100}$$

(88, 60, IN 2014, 2 Marks (Sal-3).

- 53 in the section will be subjectly by region the recommendation $\Phi_{1}(\mathbf{a}, \mathbf{b}) + (\mathbf{b}, \mathbf{b}^{2} + \mathbf{b}^{2} + \mathbf{b}, \mathbf{b}) = 1 + 0$ for an appendix 11.... 11.
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IHR, FC, IN 2019, 2 Marks (Ge. 2)].

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[BB, 30 | M2018, Minarks (3648).

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[85, Me 2014, ht Mgrk (86):4]].

- 48 Miet Little next sumaer nithe series?
 - 25 31 - 173 - 3 m

[50, V5 2014, 1 Mark (85N1)].

48. Hearte of Cone had the lighting groups

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[DC, MC 2014, 2 Marks (Spt- i)]

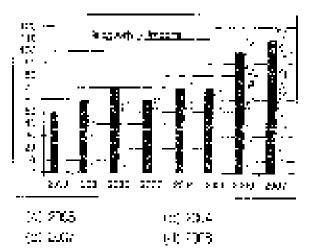
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 - (d) a consciona (encata with annual mode a ∏a EICH L

EC, ME 2014, 2 Marks (Set-11):

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[CC: ME 8814-2 Marka (Set-13]

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TC, ME 2004, 2 Merke (Set-1))

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BC, MBRC 4-9 Marks (Sch. I)1

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9FC, ME 8014, 1 Mark (Gel-2)].

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[CC, MD 2014, Tildark (SAI-2)].

50. Hinto moda onem flic telleváru u kati

CMARK THAM MODEL MEVAL

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is: W.J.J.

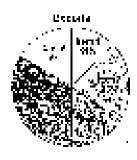
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[EQ: MC 2014, 2 Marks (Satist)]

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(EG, ME 2014, 2 Marka (35/2)).

nation to a diexpension revenues i amilitare point gi giggin av alle idvor itt lættvold ardi diloki. person l'improprime la copues di base di se l'est de l'es or each interpretation as a petic emage of the con-ឬប្រវត្ត ឬស្រុកម្នាស់ តែ ក៏ម៉ាម៉ាក្រ actanilarity កំពស់ បទទ shows the percentage of the Rual Facer begoneratski motga přebě to lesel (440) 11 matria. ញ គ្នាន់ស្រៀបច្រាស់ ស្រុកមា ជីស kmals ម៉ែន #cush idi garnes and the confronce resking \$500 come to \$500 c. Which list arrong the following libbig elierated: nna marginus intelligences sulfi





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[30] Hour 44

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(3) ||lect.5

(HC), ME 2016 | 2 Morks (Set 2) |

- [50] Turkjes 35 and resimbly to a bod full curving dimining matter content (see, the dauged of smurance pulls plane wither the reflect lass. one draining to Mrs. siver alle at which water غنت الحلادة هو المحدد و من بين وأن من 10 min (44%)
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 - (a) Blimes need an i grade
 - (chi Sastin est no dilem grata)
 - (c) £ finite the distributation

[HC] Ref. 25 (4), 2 Mitches 94ct 2(1

(50), ME 2004, P. Mark (\$354); ...

\$5. Typing Leid eitel withoutlion of the exposure. ing Microdollapskings

(a) Mor $B \sim B \circ B$. About $B \circ B \circ B \circ B$

(c) C a M of Laff (4) (4) T a A × T a M.

TEC. ME 2016. 1 Mark (3a) 85

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(a) [39]

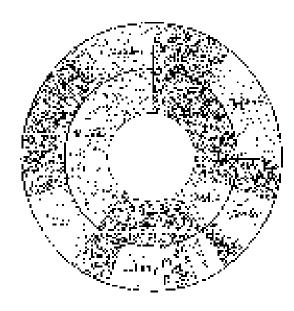
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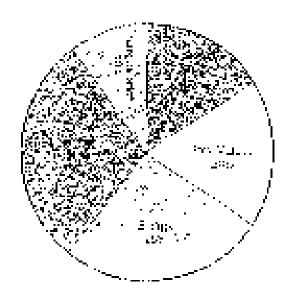
§ 7. The implified an inergy right present of the first the θ $\{g_{ij},g_{ij}\}_{i=1}^{n}$ is stiffled in a linearize forms i=0connection of the continue of the intermedian action and



- 10. Submit one diss.
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- 00 All fet also in 1815 for each and differ for 2.5 ± 0.0 propositions.
- (n) Displace from the largest manners of the mana.
- ta, () and (Liony)
- (b) (i (i) (i) arates (
- (2000), (4) And (5) one
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99. Alth process step (lifes or case rate) 2012. Problems guieuroparage a La diardos mas Case a Thomas energy prompt main being and irans, where μ_{i} is exacted to the μ_{i} and μ_{i} in the first μ_{i} and μ_{i} is μ_{i} after the electronic 2012. The average description of a paper pro-7072~k~08/(4.96,006) , $(0.05)~m_{\odot}$ (4. η), and CAP Ances in presson by CCB, and fall of terократава по вазво Бируза — Д е сотграта Heightonia staff of He 10 in wath 27.2, 3.00 ${\rm M}_\odot$ 2006 ^{г.} Поймеревали ворий рожда.



JFC ME 2014, P Marks (Cor 8)].

but is name of one mindled burgoin madegay but exists four times may also remaining it would be to taken on these take control on the production is half I ground has be deformed a period. notice that the largest family appropriation

[#3, Mil 2014, 7 Marks (Set 3)].

 δ^{*} . The form $(r, y) = r^{*} e^{ix} + t^{*}$ is a south when d, y, yNelved, the new value of f(g)

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- tet parte en
- ម៉ែនទី១ នូកមាន
- $\Phi(-\widetilde{H}, C) = g(\mathbf{P})$

TEC ME 2014, 1 Majk (Sep4)).

67. Presequence of 12 cerebooks in Junuary or si TOT BE TO BE COMES BY POSSIBLE 498 WHELIS HAVE and of the less is further a proper company \hat{x}

,70° ME 2014, 1 Mark (50° 4₇).

32 Sincillar respension to scane, cyc

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61: 229

(EC. ME 901.4. 5 Major (851.4))

64. In 1900, TTSE islands for regulation is and K^{-} SWF-O' stands for right (twistness) which only $_{\Theta}$ io lowing indicates peetite exeq. ?

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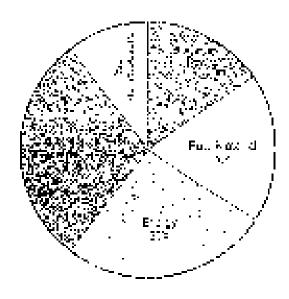
FG, MF 2014. 2 Marks (84(-4)).

35. Particular consumption of purplic Popular mana 2000 2.000 [a 2000] 2000. Find the arreum rotatal increase increase para introduction and move trayears.

(a) 5.8 (b) 2.9 29 - 0.0 (c) 5.2

[EC, ME 2014, 2 Me4a (84141)]

82. A importance and the societies where is a process of a process the awards awards as the awards awards on the societies, and reason aim, code in the special areas always of orthogonal are as always and appearance in process of a 20% and a 20% of the expension of the special areas are a 10% of the expension of the second of the sec



TEC MF 2014 (2 Marks (545-4))

67. Anice djgi, content sich not liebig för digital Gebruit de will det sozallig anventre. Whe Island met alle ten posticitisk neighnunge die

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WILLIAM

eri allanali.

√C ME 2014, 2 Me, ks (5m+3).

59 $= z \left(z + \frac{1}{z} \right) = 69$, as while $\left(z' - \frac{1}{z'} \right)$ **190** OS 2014, 1 Mark (Spi-1)]

48. horizont of axis to a destinations are publicated as teachers.

then $a\sqrt{-|a|}|a| = 0$ has

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(c) 2 mail mode

ier Karalitoesi

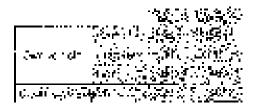
Applikation modes

EE, CS 2034, 1 Mark (SAI-1)].

7b. Gos diffipit shate in terburst describiblion of intglench in this outside Casterine televiore in addition, groups (1.4 m), telegips a discounsing sitter in total line. The dichway singly person as a I-Rail CA is group at cours a pendicting total approach will be a sheat 48.

[http://de.2016.12 Marks (Set 1)]

71. In process 2001 sector periodwa a seks transhier they exind with the original fives, if by were found, easier to the five which is not represent an ion shoot or both. Their residual season are the carried set meaning all to turn their advances of a conception.



[ES OF 2014 PiMerks (Soft))

72. When you missule interelimination gosted with four upopular surfaces: span rested by whight trustin comerc, now minity crowlest and charge are created with these time?

[-- 03.2014 2 Marke (Set 1)]

73 Affail aline recomporate out plos of 10 part 1 m. his?

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| -- , t.a. 2014. || Patrik (Set 8)(

 $77 - \text{Triviale} \le \sqrt{|p| + \sqrt{|p| + \frac{1}{2} n}} \cdot \frac{1}{n}$

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[65, 0820 4 He/ch (8ct 2)]

75 Hibrighest and İstimater Die 11 Hempetstade values (IIII-1 – Killek Indiae

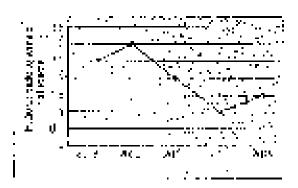
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AB THESE

THE, CS 2014, R Mass (Scr. 2),



[CE | CS 2014, 8 Mb ks (8ct/8)]

- 77 At missible secretail 3 and aid rath, within a finishment diagram than a that are make an argue a osciology.
 - \mathcal{F}_{i} $\in \mathbb{R}^{2n}$ $\otimes_{i=1}^{n}$
- @: 8:27a.m.
- (a) 6 co (cm)
- าศ์และสะทาง

[E8, CS 2014], 2 Vziks (Sev.2)].

- 7B. Which is important as the long in the series peaker?
 - 2, 5, 10, 17, 25, 27, 50, 64,
 - 70 C
- 160, 37
- 460.56
- (c) 28

[BE 02 2014 | Mork (Set 5) 1

79. The table belowing proportion test data on the performance distributes to on e-motivation. The money test are substituted as a substitute in a regular partial and a regu

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- Hita n 71
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- (a) 4:31

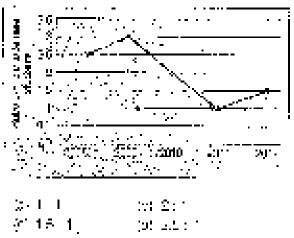
[EE] CS 2014 1 Merk (Set 2)1

86 The Cross Convision Frought 9391; in Region grown 7% outling 2005/2005, For common and

- contention. Includes a compared in UP English (UPE) ATOMOTIVE son become on the points of the points of the Contention o
- Hithreezed by 5 S
- b) Isomores by 18%
- (b) Thereace); [14.20%]
- (a) Decreased by 19%

JPP, C5 2014, 2 Marke (Set 3)]

81. Potential mention to region, despute a soluçarea de la variation de la



TEF 08 2014, 2 Marks (Sc. 9)

- B2 Consider the ecostron (AVSC) in my = 74964); where (Y)_A stands for 0 to die bosch Nichtig
 - (6.0 ± 23.5)
- 0.0
- 16; 31/2
- 00 0182

[F5] CS 2014, 2 Marks (Str 3)]

- SM. If $y = 9 \times 10^{3} + 3$, then the target y = 0, y = 9.
 - 1.160 (943-66), 100, 943 = 0, 9 = 0.
 - (c) these statements were
 - District A Property (1)
 - (a) hos a section plan.

(00/2014 | 1 Mark (6m-1)]

- 94 A leaded visual activity cast of Hall 80,000 to episyon it opens to and a well-base right of Builder SCO whose Ordina casy production in expession of Williams polymorphisms in Repeationnella side as production of 100,000 to 3.
 - [CH 2514, 3 Mask (Sal-1)].

- 86% . Since of conditioning aggregations PVZB ITZD (CYAIX)
 - (s) A_7vx
- NO EMPERA
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- na Chek

[CE 2014, 2 Marks (%yl-1)].

And Area, Christian Hip Hower and Farettee. H--:). Affore tilfform in skip storovad un afnga $\epsilon_{\rm tot}$ n a observation uniformal from the Hagragogoria. 200 ki vili 2006 bilan bilan ki eke ji ji jinggardifan. Once there are seen than the return \mathbf{e}_{i+j} (e.g., Chantal Gozonich Groniany (Alberton) below Falses's Even 1916 in 1989 p. Deep graphs on any 1999 in team discentified or a look minute, also agost $\lambda > 0$ educate to on story $\mathcal{L}_{a,b,\omega}$ (see three ்சு நடித்தன். இந்த இருந்து நடித்த சுற்றுக்கு சுற்ற COTOR On Y begating juggerseen.

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(08 2011, 2 Marks (Set 4)].

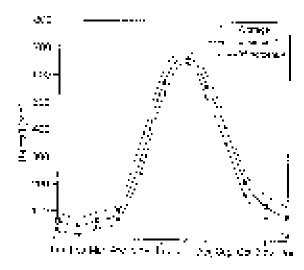
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[CD 8014, 2 Marks (Sep-1)].

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105 2014 (A Marks (88, 1))

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- Or oldly tended than the demonstrate will improve Constitutible Team (virting)
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- (0, 0) (ii) that (0, 1)
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101-2014 (2 Marks (Spr. in)

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[CD 19 2014 3 Mark (Sim 2)]

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- Agrificações

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- (CH 19 2014 | Work (Sanya))
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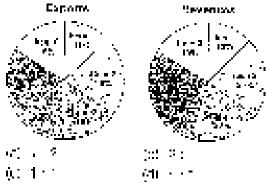
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- Deservable 1 and 3 are to reject police teams with a constitut
- (d) Status only 1 and 2 green open to a recolor production (e), p(d)

[GF -N 2015, 2 Marks (Set-2)]

13. Inches expension, contribution will expect a contribution of the property between the decided to the personnel between the decided to the personnel between the decided to the contribution of the second to the decided to the contribution of the decided personnel personnel between the contribution of the decided to th



[OE] N abile, 9 Minrys (3672)

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> > (OE, 14 3014, 2 Marks (86,-2)11

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905, 'N 2014', 2 Marks (Sch 2),

98. Pictorial confliction of Education Peters (4) p. activities as

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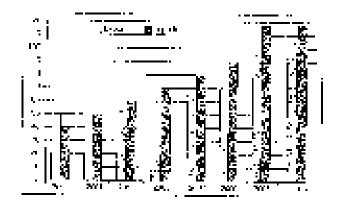
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97 A break in Continuous and Sake, verbero 1971 and King Continuous A First minerale, grant, p.

(a) 56 (b) 43 (d) 45

(CH (SSN:), CS (Sel-3) 2015, 3 Mo4/j.

SULT no experts any impantating correct of walked years to be found independently 2007 and given on the tolerangment and processes in the combined particle vagating cases in the end as the end of the processes.



(C= (Sel-1), OS (Set 3) 2015, P A(a) \u00bb281

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[CE (Sec. 1) | CS (Sei-S) 2015, 2 Marks]

100. In a feet for all resilvation rought with regular to the resilvation of the seeded into ribers. P. D. A. S. J. A.O. (The seed object on Hornal Review PA Higgs Subsection in the Higgs and determine water of the better of Transport on a political Quality and the first political political political and a resilvation.

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[08 (8614), Cai (9648) 2015, 2 Marke].

103. Ho a cales are tancerth relacion con a prick of \$2 px, ps, if the first two panels is a windist what is the probability into the find setting Site king Si

$$\lim_{s \to -\infty} \frac{dn}{ss} = \lim_{s \to -\infty} \frac{dn}{ss}$$

$$\lim_{s \to -\infty} \left(\frac{1}{ss} \right) = \lim_{s \to -\infty} \left[\frac{1}{ss} \left(\frac{1}{ss} \right) \times \frac{1}{ss} \right]$$

[GE 8015, 1 Vark (Ser 2)].

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[Gt: 8915, 1 Mark (Set 2)]

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308 **2016**, 2 Merks (Sel-20).

- 194. How many burning to enhance concentrational the 11, a great, if ω_1,\ldots,ω_n has runner earlies in wan Arang masualians are paralitizati.
- "Clarker of a Marker (Ser 19): 105 and appropriate instance would be becalled into a
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- ikir Allhar Javer de jer Belare, na žio a d
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[GE 2015, 2 Merks (Ger 2)]

106. Those are 15 cooners who can lead to The modern amount $\mathbb{R}^n \to \infty$ and a substance $\mathbb{R}^n \to \mathbb{R}^n$ Spicetops (CS), and those countries on portrait most Ficilien raMed alco(EW) There's establish #U tenang S. A danger Laden, any let at let us 🥫 robiecta ita, EM, ER o Tib, Sican tradito IV ES i tiran wash a lilbawa kuber kulon EV, 29 syali (\$D, 4 ppg (sizm. (supe 10) a low regress attended Intil 18% and YM to the TOY.

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UF 2015, 2 Merks (Se.-2),

- 107 . Consider a unitarity, $\sim 10\%$, < 10% , < 10%e vale of a effection in equal, an initial of infrastructure end he into an in which of the an iction are
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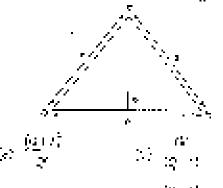
[CS (9ct.) 3H (85N2) 2015 (1Mark)

138 . Page m/3 \oplus given storan critis space, this gives spercoliste obtanik sakonna aban atation ethat of the frequest weight of 10 cooperate of san e weich C

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- (a) Cincollor in a consist sufficient
- 00 kvitimttimani ardii ugaleriarono interesti [C3 (\$eu1), EB (3et 2) (au1), T Mark).
- 08 The let of tellers PCS 7, Wis sinsupplied scenarios, isheli oʻlillə biçking ordu kom affirm(ff) sequence^a
 - () 20,26,27,25.
 - (4) $9 \le 6 \le 5 \le 12, 12, 5 \le 3$
 - $(i) \subseteq (i), (i), (i) \in \mathcal{F}$
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- i in⊱lane
- un അർ ന (d) Ta പ് []]
 - $[0.8]\% (\mathrm{Sec}4)$, $\mathrm{BS}(\mathrm{Se}/2).2045$, i Marxi
- 510 . If p/q , q expectes and independent such that
 - (ស្នុកស (កាល)ក្រុក្ស)
 - $\xi(\theta, \theta, \zeta, S) = \text{min}(\xi, \eta, \zeta, S).$
 - $\Psi(t, A, A, B) = to \text{modified } \phi(t, B, A, B) (t, B, B)$ $(0 \times \mathbb{Q} \times (2 \times 2) \cong \mathbb{R} \otimes \mathbb{R} \otimes \mathbb{Q} \otimes \mathbb{Q})$ (2.8) $(2 \times 2) \cong \mathbb{Q} \otimes \mathbb{Q}$ $C \times A_{ij}^{\alpha} \times A_{ij}^{\alpha} \times A_{ij}^{\alpha}$
 - 医正式区域病 集集系统
 - A soft le son le operation narrorale con tel volada ribi function of the form (μ, π) .
 - W is a second value of $t_{\rm P}$ (12) 5, 7, 5, 1, 5, 5, 7
 - (128 (861-1), 11F (846-2) 2015, 2 Marks)
- Four the impercondomication attraced at the \mathcal{O}_{i} and \mathcal{O}_{i} for north of Managle shape of A_{i} in \mathcal{O}_{i} is souther of their distance of 7 km. At a congresses. of other from What is the distance between Mi and Pic km?
 - (7) 1.54
- Cat 3 (4)
- 的 跨原
- ાંતી: અનાકા
- 900 (0s14), EE (0ct 2) 2016, in waster
- 11 Δ . Uru nezolo Hiur. Partino angla dig $_{2,2,3}$ ± 5 ኞች and $30 \cdot 8 = 80$. What is the $(a_1, a_2, a_3) \cdot 782$.



- (07 (Sel-1), 65 (Sel-2) 2015, 12 Marks (

- 1.13. Describe the open state fronts is the $\epsilon_{\rm color}$ and $\mathrm{TP}\mathcal{D}(M)$ are multiplied to be λ . The given quantity λ/μ would are the posterious judicing more special page. now money and the theory of a single state than o 5050e fundicitist socialide suppris occide De Lidad
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 - 3.0 statement steple is not only on appearant. Let a la cubutionemi
 - First lowerments remaining the purpose of the Le hor seccesso l'allage is sumpart.
 - $p(x) \in \mathbb{R}^{n \times n}$ are the formula of \mathbb{R}^n [68 (86.42), EE (86.41) 2015, 1 \$5.66)
- 144. Giren St. 4 a [5, 3, 4, 8] Se. D. [10, 19, 18, 18] 15), two runtions were a wordly to street greations. soon set when sittle probability that the sum of the Melon Detailed organic ter-
 - (6) (12)
- (h): 0.35
- 0.10
- (4) 0.33
- (08 (8058) EB (5ei i) 2015, 1 Mark)
- tilla. I ent på deri betyrnast salarski godine gunger. of all cents from different, department in an And the charge on one for the particle of ρ . The proportion of mala ... (en uto chiconia i) Heady deraument k.S., d. Thore are 40 mala≥i (□∋erige). Engineering of will an entercase between the Fundades of Cartino of the decay of the con $d^2/2$, well who the temple subtract to the йей алаа **д**орол ман ў.



118. The productilities that a signification in We consider this site and Coempley are struct and in equalizary of the value (equipment details nes 75% di unto stiposa uno in $\chi_{\rm c}$ e gaj qu $\chi_{\rm c}$ 50%. smooth directory in all lower two sacrat 40%

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- $(11 \cdot p + c) = 6 \cdot 12/00.$
- C(1,2) = 2a + c + 1.022.
- (in the constant $x \in \mathbb{R}^n$). (2.9)
- (4) Only research for the
- (a) 0.95 m about $k \approx 10$
- 75) Bélacci a li yet ∭ greinge
- (a) Delacare Lore IR e a vue

[CS (S952) SE (Sei-1) S015, 8 Marks]

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[09 (5e/ 2), HF (8e/H) 2015 (8 Marks)

- 113. (1.5), (30) = (30) for the value $x \neq x$
 - 500 以毕竟[3] [1]
- gra 125/010
- 65, 35642
- (c) PSE.

[-D 2015, 1 Mark (Set-1)]

119. Commetted, Quarter in large collings too

$$\partial f(t) = \frac{\partial - \partial}{\partial t} \left(t + C \right) = \frac{\partial + C}{\partial t} \left(d \cdot v \cdot s + 2N + r d \right)$$

the value of $(66\pm3) \Rightarrow (36 + 26)$

- 971 47
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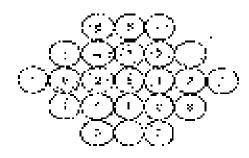
TDD 2016 - L Mark (Baha) i

120. A classified in this supplied using a solof unable public states at the first expression of the number of special times with a super MRUs to these which are 400 minute.

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- 6.1 3
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(40,9005), 2 Marks (5e -1)].

021. Et in hermstand valle



[EC 2016, 2 Marks (Sign. ii]

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5E0 (Set 2), Ma (Set 3) 2015, 1 Ma/4.

198 Parcella Fibracian soporation for implication with the serior perculations in the processing of Roman perculations in \$5 and protection of \$2.5%. When is a coprobability that establishes of Hormans in the setablish \$2.5%.

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- III. At tim genetian, the Bullstand.

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(2) Both consumers and Protest [FC (3at-2), MS (Get 9) 9885, 7 Marks).

195 $-\mathbf{s}^2+\mathbf{c}^2+\mathbf{c}^2+\mathbf{c}=1$, then $\mathbf{s}\mathbf{b}+\mathbf{s}\mathbf{c}+\mathbf{a}\mathbf{c}$ is \mathbf{s} ita acera.

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127 . If r> r> 1 where of the model χ injust be figured.

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FG (Salki), MC (Sel-2) 2015, T Marzi.

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754 NOTE:

[26 (2692), ME (Gene) 90 S. CMark]

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[CC (Gut-0), Mic (Set -5) 2015, [2 Marks]

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IME (Set-1), ALX PL 2015, 1 Mark

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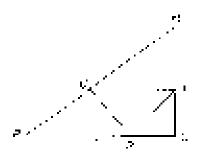
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[MH (S694)] IN & Pt. 2015, 1 Mark.

194 of the griven protector is a right $_{
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- (b) Cinte constant in the sex-
- ge Neithersonal tyke in a [F1] Japan
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[ME (Sxt-1), IN & Pt. 20 to, 2 Marks.

- 126. A second based three intrained the even $t_{\rm ext}$ from contributions in part of the line, that (p_{sales}, p_{sales}) be the exesting distributions and the conditions. Let Z be the event is as the last observed three 10% of Passect of Leighborn formation, which Mere the following students in a section
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[MH (Sept)] IN & Pt. 8015, 2 Marks].

- 187. Tight diorigid MOst to to be constituted by that ay picture contributing mangle, and then the 65° prompted from wash. The vial of propording as-GME CALCON MARKED from Jedens (19) subjection. hequalties.
 - 1.55.50 and below to low many rilligative Interplations of the sandard area with these per nervesti.
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[MC (Self), Shairt Burs, Piwatisji

- 195. In name of conspany and longing styles, by, trips nnount promise a logal et 15% act u victoir i di JP 能名 Christe Parks, 1514 rate appropriate 1516 resided a est 88% una proposit il Propositi contra na consti of 5882020 hours, now transcribite more $r_i \in [4 \sqrt{2}]$ (4) 80 3144 1912/1974 22

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- 14: 300 \$45 A536 1000 5d: 7.01 EU; M8 2016, 1 Mark (Set-1)]
- 146. Acciser les içitmiştiklir kirili kiçine ezere has a 50% group should be concerning interest. Hiskory in the 20% of inlested geople developthe distance when to reaching any μ -grid including Inforce is a period said professional regality. minuted currence has kind ween by any of piece use?
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[PG: MH 2016, 2 Marke (590-10].

- 17.1 Pelais us ar II ar Indrico itan kacik mi waziili. 98 promote that is obtained in the (a,b) and (a,b)200 Silve Alemai, 1925co e il 1900 pero blag onest. Pazis movina norra otra handide kill gegi Which are carried blooking switch and must be 4 51 45 44 sections 1 to 2019/95
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[DC, MH 2016 2 Marks (Set-10]

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- (HC: Mrt PC13, 2 Marks (Se. 1))
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- 1804 Min 9715, 2 Marka (Se. 1)
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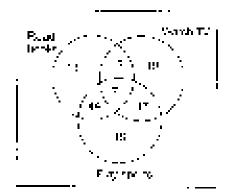
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- yt: 51 inclies t.a.t/e-yerns.

[HU (Set 2), MU (Set 3) \mathcal{P}_{n} ($\mathbf{S}_{n} \times \mathbf{M}_{n}$),

- 145 An Aria Cara working in thirs in a legality factor in project, whether wants because 5 or otherwise 10 and a result for fall increasing page 98. Ewertweet Sandrick News Singur Strict in a copy on a get 5 and 7 and 8. Photos at the time of 990, 17, 180 of 90 centre in a strict et al.
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940 (1652), MC (2650), 2010, 1 Mark.

116 The Variation gram shows the intelligence or the purpose property of the surprise when



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- (F) 4:
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(FD (Sev.2), ME (Set al) 2016, 5 Marks)

- 197. But who alique to the model error seed in a control of the Policy of the Policy of the Policy of the Policy of the Policy of the Control of the Policy
 - 181.5 IS
- (2) ! !s
- (c) 12. . . .
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(£0 (\$9; 2), M0 (\$e) 3) 7516, 3 Marks1

- 148 (250). Mista (15th indicates contain Minagety 30 std Host and then 10 kingdonth libert (20th as a kin. Specification of the 15th February (35th Idea) the control (15th Iese).
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IEC (Shirt), MR (Shirt) 2516, 2 Mater

- 149. Avi e of original American sergi, into less permit (176. The posterior adcordance takes and energy of the matter that extend a whore rates of mining ratio of the properties that the contained process (174. Supplies to a contractions a MINI MOM?)
 - $[T_{i}, X_{i}]$
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- (4) 123
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(EO (5th 2), MH (6th 3) 2018, I2 MUR.1.

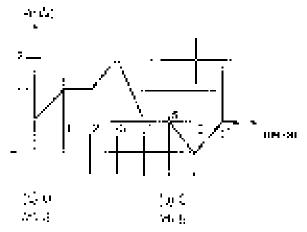
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- (3) 25.0

[ED (Set-3) & IN 2016, 1 Mars.

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[EC (5et-3) & W 9016, 2 Mgrae]

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[EC (Sat-3) & [S 2018, 2 Marke].

364. Find the cree bot made by the lines 3y + 2y + 14. 3y + 3y + 3y + 14.

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IFO (3453) \$13,2013, 2 Marks |

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[LeC (Schal) & IN 2016, 2 Marks]

158. Active also it using 81 cubic blocks of side on a unit Affair his work and cubic labels a removed there exists a read of the body (in square or its) of or the removal is a unit.

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JC 183

CE, CS 2016 1 Mark (Sec.1)ii

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TOE, 06 2016 | 2 Werks (Set-1)].

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(v) contaction (p)

"CE, CC 2316" 2 Mare: (Scr. 4),

150: $V(\mathcal{A}_{\mathcal{B}})\sim V(\mathcal{B})$. Let $v_{\mathcal{B}}$ which of the objective $g_{\mathcal{B}}$ is a leader f(x)

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SE ISS 2016, a Marks (Set 1),

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(CE, CS 2016, 2 Marks (Se, 1)]

184. State and stip in standing velocity is added by the social (c. [2, 8, 3, 4, 4]) has selected.

$$\frac{|\mathbf{u}'| + \delta'}{6e^{2\delta} + e^{2\delta}}$$

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[HF (355 -), GH (Set-2), 2018, 1 [Mg/k]

162. Higher a stational worders following to, $\rho_{\rm th}$

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[FF (Sa.41), CS (Se(-2) 2018; 1 Magk]

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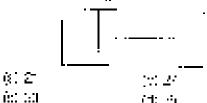
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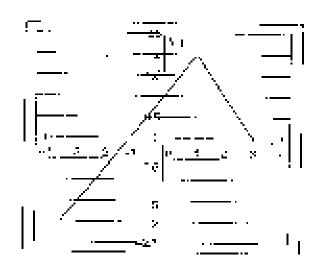
[F5 (Sak.), CS (Sel-2) 2016, 2 Marks].

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[EU (Ser-1) | C5 (Sat 2) 2016 | 9 Marso*

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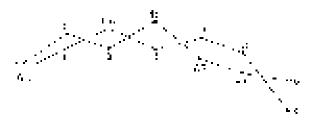
$$\begin{array}{cccccccc} (b) & f(b) & a \in L, & b \in (b) & f(a) = 1 & b, & b \in L \\ & b) & f(b) = 0 & b \in L & b \in (a) & f(b) = 0 & p \in L = 1 \\ & & \{ \text{CE} \text{ (Sel-1)}, \text{ CA} \text{ (Sel-2)} \text{ 20} \text{ 16} & \text{20} \text{ Min set} \}. \end{array}$$

136. (i % of y) + 1/3 (i x) | sing (value) | _____ ii) (ii) (iii) (iii) (ii) (iii)

167 The summer the engage of a two dight in pressure. So in the description for most expression, for Older a greater than the objects summer by All In Other program in order.

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196. Too finance companies iP and Codensies lipse and to tales. If needs on the amounts invested will those the receipt rise seem from your roles on figure these are compatible of the set of energy three constants are also be so to the image of a register from these these.



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70 2 : 0 (b) 9 : 4 60 8 : 7 (b) 9 : 2 50 0 90 5 : 5 Marks (Se. 2)]

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(d) Lony [OH 9016-2 Marks (Serve)]

170. In source pyround, test alloose parineter in and the standard physical for the perindent (A) and the lateral surface press of the pyrounds.

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 $(\pi) \in \mathbb{R} \setminus \gamma^{1}$

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[2 ± 2716, 2 Marks (Sei 5)]

17.1. Arenthulter Singuis und Braned Branes (pure la rock above. Braneshade modern proposes of the powerfunds an altimother recommendation that has been of congress who could be sensed, twice for the region of the pages with constant page.

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[CF 9066, 2 Marks (Se. 2)]

172. Busine with the cutting of Steams

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pt/ 52

FTT 9015-11 Merk (33) (2)

(70.) if
$$\partial y = 0 = 0$$
 , we have $\frac{\partial y}{\partial x} = \frac{\partial y}{\partial x} = 0$. (7) the proof of $\frac{\partial y}{\partial x} = \frac{\partial y}{\partial x} = 0$.

TEE 2016, 1 Mark (Set-20)

174. Shandle D'Real ala 309 bareer lee di cor и Боотил трал кай положение объекта и и 199 г. покарест 211 Обаде призон акурара «Мад is the procedury that he will be excessedly make case, hid free thinks in 10 etternals?

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(E£ 2016, 2 Marks (\$94-2),

in than the Alcohol- and Applications .: • P*** $40.597 \times 10^{-2} \text{ m}_{\odot}$ [EE 2016, 2 Mai to (Set-2)]

175 The observing patch for each z , a recalled particular descent productions in cornes) also the actual pint attaining in to mest binner benier (pieres alla carecer compeny Capacilla Juzza en of expert and heat sanation featuring cooper. concerned to insistled exponent All fishs with nis nitodicapas Ivatri, ensi 200 menesisia, tadi e Parce dia mendia premi econoese i recacilo isi called rismally and the difference colleger conon duction of length blanks and length planes in Innes a



[HE 2016, 2 vierts (664-2);

177. Feet in Bird them the 19 th a web-Road 8 e following station ones:

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ME 2018, 1 Me4. (3et-2)1

478 - Albir develor i sde oppile square ett lorser och or, this said for played in a take it. The have of the langular post on computes with the upper side. of the square. If Jie porimeter of the window is: Birograma di wakani waje je isi si

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[N= 2015 | 1 Merk (Sel-2)].

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190. Profit emissing sequence in the latter so issu-

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984 2046 - 2 Marka (Salab);

191. The intracy constable — 3a — ψημβ κα $a \circ b = a(a + b)a = 2b$, where $a \circ a(a) = a(a) \circ a(a)$ no hungeers. The vascabilities do finable voir ch ans apensão midefinados thomas bora submital. $a_1 = a_2 + a_3 + a_4$

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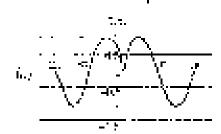
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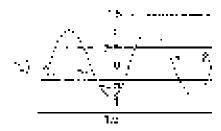
[MD 2018, 8 Natiks (Set 5)].

32 . Where of the following larger represents $\eta_{
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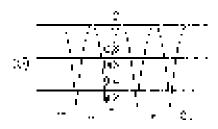
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194. The following continuous in mitters a arranged in note a single or $m = 2 \times (r, y_0) / 2 \cdot 16 \cdot 15 \cdot 10 \cdot 940$. I altren ear a din edia rapicalil uni arti ako equal to take the mode, the salin of ϵ in

- (4) 5
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(SE 2017, 1976;9:00s), ()

- 184. Persider indiretaviry serionesse
 - All borothes are costs. No cost is a Buth Swine outres ness arrigin.
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 - 9. Some les malaie recei.
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- Hartage jir
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[GF 9017, 1 Ma4 (396)()]

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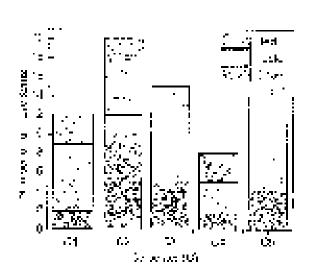
103 2017, 1 Mark (Sec. 16.

198. Post (MCI may Pit you Me are able to look per any contact jets, Phili Kland S. The place poscomparison to selection one object of a line, $J_{A(X)}$ Fig. 1) sub-3 talka 60 matematika nga 440 Officeres and 18 militage out magnetic value Inc dominical persenting допоружда, у по сл with a more the containing on Payley (2, 100) Q on Clabipous, und Honey abject and district n payed with exist for a inchuration of notices the complete at the place.

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- (d) 2.5 Mars.
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[CE 2017 | 1 | dark (Sof-1)]

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ICE 2017, a Marks (Sc. 17)

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- 19) P
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[OL 2057, P. Marks (Sch.1)].

- 190. Trailing digition is 70% of 10% and 10% as 10% (20%).
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[OL 2017, 2 Marks (Got 1)]

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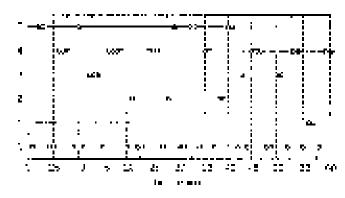
(60 lb 2017,) Cark (8ct 2)]

19 Timel & passal is introduction

$$87 \times \frac{(-5)^{3/2} - (-5)^{3/2+4}}{(-25)^{3/2} + 60^{3/2}} = -50^{3/2}$$

$$(8) (3) (3) (-5)^{3/2+5}$$

- (c) P (CE) HP 2017, 1 Mark (Set P)].
- 192 The coinz in the graph personness of the hard of a limited distriction of the initials, correspondently of the parameters.



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- (i) the placement over moves a medy earning a configuration (ii) in example on a group of later even I dioxide our deliver.
- (ii) The city clar steps on the relithiners on the lampest throughout the energy certail.
- (a) Onγή, (e) the (c)
- (t) Boh (i and (i) (b) bed a (j) (q (j) [CC, IN 2017, 2 Marks (Ge.-2)]
- 398. History reversion to annual in Rug ig 2 Typ is proved by any found for the former decaying the cost. An earliest and he because water the earliest of the only and the decay of the earliest water the cost of the proved by the cost of the c
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90E, IN 2017, 2 Marks (0th 2)].

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- (in Company with the elevation lighted ginality). Stign this link are belowed at Garatek.
- (8) Only (6) (b) Only (6) had in (
- $C(|O|(|e|)) \approx c_0(|e|) + |e| + |e| + c_0(|e|) + c_0(|e|)$
 - [CI, 18 (9017, 9 Martia (Sal-2)]
- 19 d. R. C. B. S. Hand J. Als sealed around distribution on Hills above like previous to the right or operations three bloods to training above on page 210 Hill and Union design source, within many multiplication, reconstruction.
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ICL, Pk P007 P Mades (Sal-2)ji

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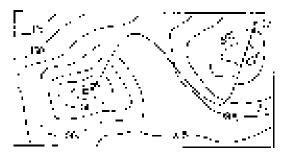
- (9) TiPA (4) And reward old to other consumption. TRRN 7
- (9) The North Resemble to other consumption is 147?
- (7) The spin of cost rate in the management can all 1769.
- (d) There are an using no other this amount [EQ 2017, 1 Mark (865-4)].
- 197 Consciption protects Semantic Version (e.g., All Charts and Lemanns, Which of the following conduction of a mile preceding serior costs:)
 - $\sqrt{1/2}$ such that corresponds suggesting
 - (i) reduced an expected $i \mapsto (i)$
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- (3) 500 (3) 1/4 (5) 150 (3) 262 [H3 2017 1] Mass (Setting
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[AO 2017, 2 Marks (Sec. 1)].

- 231. The benefit indians and finite equipment policy in the participant to an expension of the grant to the control of the participant to the control of the
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[B0 2017 | 2 Marks (Set-1)

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[FC 2017 1 Mark (Ser 9)]

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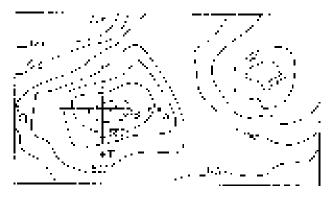
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JEC 2017 1 Mark (Bet-Sci

206. A compute halps to making a newing the salars 10030 Africa $x \in \mathbb{R}$ on $x \in \mathbb{R}$ and $x \in \mathbb{R}$ 'a situ wur plot bi nigeograf tigat iyo o d Contour that $a\in \mathbb{R}$ or p_1 at $2p_2$ is prescribe by Sie : Le



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16年1日日

الرساة فأفا

 $[a_1, b_2, b_3, b_4]$

JHD 2017, 2 Marks (Sct.2).

207 - 200 Merkard 200 won en kris mild zills i gaer in 2 weeks, 900 noor and 25% earlien wij jurge Slessky, orbuid too same orbige, Huy mary. secret liberación in build my prigo in arte. twictik 4

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12.0-301-7, 2 Marks (\$e;-21)

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(EC 2017, v Mnt/s (96/-2)].

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[ES 08-2017 | LMark (Se 15]]

S10. A conduction (433 is a minimum graphs) and a manifest bare. The is the partial and the content of the isolation of the content of the content of the same of the content of the conduction of the content of the conduction of the content of the



- 274. The expression $\frac{(a+b)}{2}\frac{|a-b|}{2}$ is equal to
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 - (L) the minute resonance γ
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дББ, СБ 2017, 2 isans: (89)-1;;

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- 90% 09 2017, 2 Marks (Set 1))

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[PH, 03-2017 1 Mark (Spt 2)]

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(CEL CS 2017, 5 Mark (Set 20]

220. The temporal rank $n \in \mathbb{R} \setminus 0$ with $n = n \geq n_0$ range q **5**, **5**, **6**

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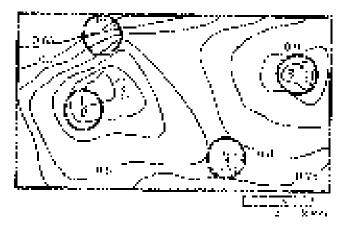
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[52, CS 2017, 2 Marks (39,-2)]

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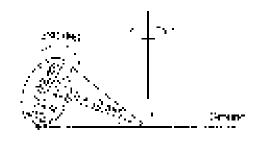
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[LE, GS 2017, 2 Volka (Ed-7).

- 223 There are the blooms flow common appear ARA NA considering as Arabaks are out in the bound of the Consequence of the conseq
 - (ntil the appointment of applies)
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 - (b) the box hadded Catacopas.
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(HF, C)9 8917 | 2 Marks (Sat-2)]

274 Anight-engle bone (win basers did a smand neight 12 cm) has booken mane figure is else, is the dien the pround keeping sto bond Pichod (m) the color of (8) the take of the color as all control opens the prounding of



By what single can and analyzing it. Follow the constraint?

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$$\frac{7\pi}{5^2} = \frac{\pi}{5^2}$$

(MH, 20, 7,1 Merk (Sel-1),

29 in P. C. and Histophial Scalar collector, Pistages that Athan at heat is onto 19 anti-heat Rish Final less than Jacks, Intrinsipate at atmosphere. Since a_2 leads, one can think the print C that C is regard that number $p_1 \otimes_{B} g_2 \otimes_{B} g_3 \otimes_{B} g_4 \otimes_{B} g_5 \otimes_$

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(ME, 2017, 1 Mark (Set 1))

228. In a company with 100 or govycom, 40 or miles 20000 per 1970. 25 earl Ru, 30000, 60 our Hall 19000. Bleath Ru, 180000. Inclination or the salaries. 9

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IMU 2017 1 Mark (451...)]

227. What is the submit the interrup built in the submit to problem to out.

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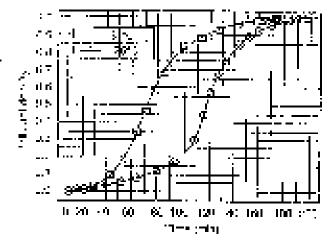
(ME, 2017, 8 Marks (8th [])

- 289. Floor, throughout occurry 1890s. Alternation of the figure for complication to properly seed that the contract occurrence of the traction occurred by the recommendation of the figure occurrence that they because a period with photocomments that they because a period with photocomment of the second seed as the first contract of the contract of the second right of the contract of the second right of the contract of the second right of the contract of the second right of the second reservoir.
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- (2) Subjection global elimited to permanding as SCORECUL EL SURIND DEPOSITION MAGILITAGIC in arten.
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MH. 2017, 2 Marks (Sec. 1)1

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- $\hat{u} \in \mathbb{R}$ to this latter for each two sign (of $2x_0$) is wice the time (shen is) (22),

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[MF | 2017 | 2 Marks (Set-1);

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ion no issocias et 1. 2 connet communica<mark>.</mark> IME, 2017, 2 Me4ks (Se. ⊇)1.

225 from Stock where 7, 2, 4, which $9, m_{B,T} \neq 32$ $\mathcal{Z}_{0} \in \mathbb{C}[0.8]g$ subjects and retained in Europeans can no mising a one woman is stone man is is fulfill be published in Alapha usin economy. be pointed with somethies in the many early care 4 said: paid tailing ed?.

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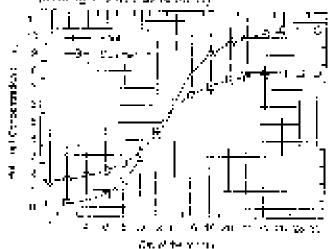
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1МЫ 2017, 2 Мы/кв (Scr.9) 1

200. In the graph colony, no compositely, $g_{\rm col}$ percoafor polarini in a lake to promoditive formation (see also prome to win as (see ago ter consumer (CV) and a might be supply (abaraba) + abaraba



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- iit. Own negivern muturie dillere ce sed≅≪ it disposition, and it eminimizes a calculati concentrations of the same in both since you a comer.
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- $i \lesssim 0.09 \text{ L}$
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[MB, 2017, 2 Marks (8vd 2)]

- 287. Elbiroqui ark filodins asa 6 (898.) (2000) a tiple in compact for its notice of bulletic and Madble the number of fractors it takes 5 case. to a origin the unpolicies, recommens coverwithin rate A pullerkt hard to brough the feld?
 - CLX
- $f(t) \in \mathcal{F}_{t}$
- $(\mathcal{F}_1)^{\perp} = \mathcal{L}_1^{(n)}$
- :: i 2.

[ML, 2017, 2 Marks (Gat 2)]

208 Type are its high natificity of traditional as paginor, nel sa yirdis Lorina Billish Barlo. Some energy of the description as a common the 2013/44-2013 في مدر (1811) وفي دو وأو يرود الرحي وإن ing configurations in section to the second person in Section 2. and every accompanies with realization to see e respect that through his we seem a Mean le in the position il facciona casa, il re deal of events facili. were four municipies y approximate with the advance to grain or burganists reposed for the inputial roker, myt olit resemble tært. "I

> Which the coupling in application are also richard*

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IMF (2017) 2 Marcs (569.2)

980. The recipio aluminimum companies as a function all the cultide research are a condens to inher or seigens auge gram eins weiging gelte reichen $T = K(u) \cap T_{u}(w)$ where $0 \in X(u) \neq u$ is also with $w \in X(u)$. www.c.ibc.needlaggfea.vendiellalaana.cata?

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"CC, 2016 11 Mark (Seiri).

- 242 Fore / 230 g tel sylluxer 518 140 M st. any not 1900 in profit is her zoned alsowik garregis iller 50046 Al 70 mile delft iffer to een σ , but reported the solutions Θ . Although ectors en rower (til et what dictence (in mesura i gagger lake i i na isonian sostiloo syyymid CE, 2018 IT Merk (Sel-17).
- 24 the Hall Signature & Bryantsuna biban ke and in thinks Supplies ago io 10 years essit et i 10 tim 44 Harist ega III (treefinis kiltiga a lookes ili ens. 1944 udis Lene".
 - (m. R.
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305, 2016 - Mork (Still O).

- **242** . The second recommendation of (x_0, x_0, x_0, x_0)
 - a_i of the $A_i = \frac{i}{t_i + c_i + c_i}$ for each inequal $a_i > 0$

Global title same the left 50 telepar

$$(a) \stackrel{\triangle}{=} \cdots \stackrel{\triangle}{=} \frac{1}{12} \cdots \stackrel{\triangle}{=} \frac{1}{12}$$

$$(L_2 \left(\frac{1}{2} + \frac{1}{2} \right) + \frac{1}{25}$$

$$\left(x_{i}^{*} \left(1 + \frac{1}{2} \right) + \left(\frac{1}{\sqrt{2}} + \frac{1}{\sqrt{2}} \right) \right)$$

$$H_{\rm s}^{(1)} = \left(\frac{1}{251} + \frac{1}{32}\right)^{2}$$

(CE, 2018, 2 Morks (GC) II.

- 240. Afaitelle 356 a 28 a 21 chast i 257 d v I ad not retain for his little number a world new? u vije je 10% gajih sehar la lab jasa in je bove and rich by the foot colors.
 - (s. 45)
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(10H, 2018, 2 Marks (Sec-1),

3984 . Find the first left, something contributes represent 9a crigary for 10 to 3, 4 existence are 14, 5, 500. in the source at all times $\lambda_{ij}(\lambda_{ij})$ for $i,j \in G$ is B . ann (7 imes 0 imes 0) beginning uith λ rition integer integra na kakwing chakyaa para ali bahagijaga yay iyo in letters A. B. C. C. C. J. Fac 90

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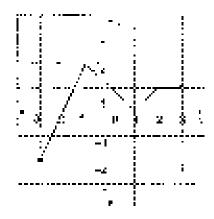
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 $C_{\rm S} = 600$

[CC: 2018, 2 Marks (Ce) △ Y.

248 , three tilling is less the functions (in an example) rlean prior ditregrach unt ei sogete) nobstedfr



$$(v_2 > 1, 2r + 4, 6r + 3) \le r \le -1$$

(b)
$$y = y + 1$$
 for $(1 \le y \le 2)$

 $(a) \cdot y = 1 \cdot (a) \cdot y = a \cdot y$

(a) (ii) follows a monty $\Phi_{i}(y, 0)$ and $\Phi_{i}(y)$

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(CE, 2016, 2 Marks (CSF1)).

247. A little of the material communities in the facility most har is a capat 6 deaper town as you child strict constrained a united formest?

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\$59, 2519, Tietark (Ser 2)]

246. For man legative stage site, e.g., wheten this co so that is of z = b = c if $\log z = \log b = \log t$ 1 - 12

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(CE, 201a), b Mark (Sensi)

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$$\left(\frac{g_{11} g_{11} g_{22} g_{22} g_{22}}{g_{12} g_{22}}, \frac{g_{11} g_{12} g_{12} g_{22}}{g_{12} g_{22}}, \frac{g_{12} g_{22}}{g_{12} g_{22}}, \frac{g_{12} g_{22}}{g_{12} g_{22}} \right)$$

$$B(1.4998 + A)$$

 $(2.1 \otimes -0.1$

[05, 2018, 1 Mark (Set 2)]

289. In the subsets and indicates, lead is usually due to If the comparison a fact relatives elaborated deviation humu kargat 100 ki resilettisi 4800 kirile beyinnen all rittle to, when would be the loss in its large edge. a teniario i si 1 on si jorni, erta de 2

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[CF, 2016] 2 Marks (Se, 21)

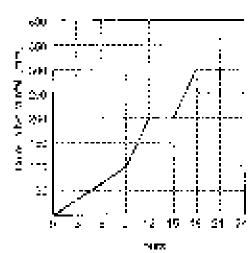
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$$\begin{bmatrix} \mathbf{x} & \mathbf{g} & \mathbf{g} \\ \mathbf{g} & \mathbf{g} \end{bmatrix} = \frac{\mathbf{g} \cdot \mathbf{g}}{\mathbf{g} \cdot \mathbf{g}}$$

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*CE, 2018, Z. Marks (Ssi-2:)

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101, 2018, 2 Marks (Bet-21).

252. Class that
$$\frac{\log x^2}{y + x^2} + \frac{\log 2}{x + x} = \frac{\log 2}{x + y^2} = -0.159$$

 $x \neq y \neq z$, other case, so the product CCP^{p}

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[CE, 2018, P Marks (Sci.8)].

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(Ca., 201a, 5 Marks (Get, 201

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 $M \subseteq V(G)$

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[C8, 80 Pt. 1 Mark]

286. We give the monte male value retinuation on diwhere r is direct either any st , so by $t t_0$ for t > 7 trayes a simplification of a fit cool, base?

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(CC, 2216, 1 Mark)

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 $\{S_i^{(k)}, s_i \in S_i^{(k)}\}$

100 A 7

 $g_{ij} = \frac{1}{2} \pi e^{i t t}$

 $\{x,y\}^{1}_{x\in X}$

(05, 2018, 1 MA/N)

while the expression
$$x = \frac{1}{6} e^{-ix}$$
 , $x = -\frac{\pi}{2} e^{-ix}$

is that within all the product, $x_2 \mathbb{Z}_2^2$

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FCS | 2013, 2 Marks1

299. In Lappaids, $\phi : \phi \mapsto \mathbb{R}$ to all introduceds campuretinia, con la vealue in an iduati , et il et considera 250 monas in referioriso di con withouther the Da 1000 primary translationals. where a is bosonic, it with world b b b a in a b a asligited for his alm However, any Study life. algree her ald $23^{
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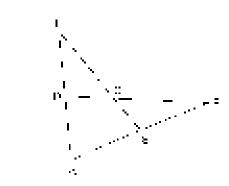
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1000, 90 B 8 Marks1

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[CN, 20 B. 2 HB 85]

- 28) J. A. Wilsiede introped die with feer geten Aubers. and monoclades broked seven hires. Which The following combinations of the mean likely.
 - or complete the expansion of \mathcal{C}
 - Quality seeds and speeds also for introductions.
 - (a) Thus grown ladded a rule into the faces.

- Tive green la talk all movement facco.
- (d) (b) meenfaces, religion to may,

₄03, 2010, 3 Starka)

260 - Dia Kerty 606 of the method greaterare trate und 40°C profession (50°S of the noticing insig amonder the gasty and the invited for pladuess allowed what was to be muraticed and a forestation across a self-procession for party?

 $b \in \mathbb{R} : \mathbb{S}$

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TCS, 2018 5 Warker

The velocity of $\Theta(1) = \{1, \frac{1}{12}, \frac{1}{14}, \frac{1}{1661}, \dots, \}$

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 $m(\frac{3}{2})$

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[-C, 2018, 1 Mark]

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[EU, 2018, 1 Mark)

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 3 V • Unwiden Control (1964)

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[BC, 2018, 1 Mark]

266 Semalogs A and Electricing of the vince poer in the relice one of costs. Place is used respectively. In the Historical Content of production paper in these on most Content rates of gold to cooper in the content.

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(b) 7 · 13

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[DC, 2016, P Marks].

287 Later explicit to buy night word. To deposition after to explicit What Is the inflighten subject to explicit from some including purples from each page. ovide of bis 10%, som glugge of places that se urbrishess consections among two

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(EC 2019, 2 Mg ta)

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 268 A MI was involved for the Accident.
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TC 2019, 5 Mg kg1

262 A socialing provide imporate or recury is home consumer problems is, it was to explicate with the consumer was the unstable of the stony deep rest. The Ansilied values of the large of excontradifier in a common mass special the notion right and is present or the interest of a contradification social to the interest of a contradification of the contradification of the contradification of the contradification of the contradification of the contradification of the contradification of the contradification of the contradification.

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- Transplanted the strike blooded and skill (4): the following:
- தி The commute state of the design and a இருந்துள்ள
- (d) Beta type is unrectively early leading early and the ragio. TC, 27-16, 2 Marks,
- 276. The Context Source has tenginal og pæd down silverunted as a resident of the control towards part of the offers from the most everys been as a control extension towards towards towards.

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[EC. 2018 | 2 Martis]

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(a) 4 × 49

(b) 4, 10, a.

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-0FF, 2016 - FMANA

273 the theories of the estate $\delta v_i = 0.33$ $\phi = \{-2, 0, 3, 0\}$ is the monotonic solution which $\delta v_i = 0$.

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TEE, 2018 | I Mark)

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[CE 2019, 1 Mark]

274. In a certain code AMCS Sinst for AS COULAIN BROKED within as BOY in low with a Life by written in the AMS?

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id; 3573.

[BB, 2013, 2 Valks].

275. At white 8 parasword must contain 3 and standing the percected free to built and are indicated from 6 for 9, and lieute mass rate, one bead case character but if # F/H/R0 Alp (455) for # More distance masswords are possible?

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[EE, 2016 2 Warks]

273. A resigner usern adviss tilbrind from tid norshorn in decient. See less of each marely et all skolon trespective come colour. The land below shows the percentage of the first each land in section as an incomplete colon trespective or percentage of the first section of the first section of section and the first section of section trespective or the first section of section of the market of first section of the first section of the first section of the first section?

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[HE, 2018, 2 West]

- 200. F, C. R and Significable term in a positive cap and build in section of two positions, with cap and the off cape. The following bond tone (box we assign to).
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[CD, 2013. 2 Marks]

278. Aldissa (I Myster pricinal field by a und bour Their grid is a group of three on turns and increasing pickeri Inah Itilia ne aab abaan per പ്രാക്ഷാക്ക on a light transition, which is the probability that the n augstrichnemit affreilebbie kan teinen der uns Jan Bocch

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$$\operatorname{pr}\left(\frac{\partial}{\partial x_{i}} \frac{\partial}{\partial x_{i}} \right) = \operatorname{pr}\left(\frac{\pi}{\partial x_{i}} \right)$$

$$\operatorname{st}\left(\mathbf{x},\frac{\mathbf{r}_{1}}{2},\ldots,\mathbf{r}_{k}\left(\frac{2\mathbf{r}_{k}}{2},2\mathbf{r}\right)\right)$$

[FN, abits in Mark]

- 280 Alisingé the Killowing dibeertimens one chiests. in the decide ainst over of their voluntion
 - ili. A subo di vera depensario 10 cm. A cm a co 3 (4)
 - (i) in cate of side them.
 - (Lui & dy nach with bose tar biz 7 em and heigh).
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 - (50.99, 0.01, 1.0) (W) $= 650.95 \cdot 1.0$, (N) = 18.
 - (a, b, b, b), (i, 0, j + 0, 0, i), (ii, 1i), (i)

(IN, 2019, 1 Mark)

361, મેં કાશમાં લોકલ મળાં હિંમણી, કેર્યુક છે, √ું ખાલા is die berin eten of die Liande?

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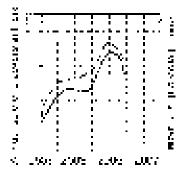
HM, 2018, 1 Markil

252. An oblimability covers from ply A in acceptantиж в фију Акуинал е кин Перивод of the vehicle during the envent one return ing news to seal or to local all BOU to the self-30 engine meaning bely. What is the everage speed in larger arriva billio (burnos)

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MN, 2018, 2 Marks

289 This teachaile, dyor sorror correl/of siningle. tikana laana liina lihara kan keelabada na grewan. (dirg), eq.e.i.n. 2002 A 2001 e dia succen spike from 30.44 to 2005. It suited the implement k, a u filosofico odlia, the recence i o norazker says in Indicate of for anothers in Low 2002. 7004 Space applies spice in 2009 desper populary again in 2000. The solid applies the uman beraweda silah murusa derembekan ansi the pashed the reference he will allow tribute make Change India od eperganom estarende. a om and annye deig



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[li∛ au tri2 Marks]

204. If a finite of with which as the better of af-

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[Jr. 9955, ⊇ Maiks

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Show on hipportwicking and by the meaning of \mathbf{g}_{0} and \mathbf{g}_{0} lei eer wijden me test 4.

- (9) 30 000
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- $(af_1 \perp A)$ (a.e.

[IN, 2018 2 Mm at]

- 290 Assist in Lawish Tubin propriess mother an of a corollations. How means pareful progressions Commed 2
 - اري اور
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[N. 2013, 2 Marks]

- 287. A legar gle becomes also meration to matter and introdult and equiper by 10 m and a inresponsibly for agilities to easy the recording of becomes of the state of the state of $\kappa_{\rm T}$ companies tarisfolic dupos providiti
 - 351 11255
- (b) 2230
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- (d) + 2000

[MD, 2019.] Mark (Sel-1)].

- 268 . A number consists to two tiples. The sum of $\,$ $\,$ 16) B. R. S. 1115 is sunfructed from the humber. magraph to a vinet. Whalish or grows
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[ME, 2010, 1 Mark (Set. 4).

- 298. Persent rechined taken minimizer to minimize a doction logic At the serie rate, may make mules would him a for 100 receives it mevel 190 Juse 8
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[Wei 2018, 1 Wark (Selet)].

- 280. Green that a codic am maness energy y y jyt gi edo li which production to to every statements is 1:1.325
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 - (d) a knowledge to recent

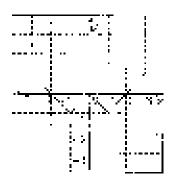
[ME, 2018 | 9 Marks (8%-1)].

- 291. Contided the latewise three kyyamakya
 - Sun o reser no red.
 - 30 Ali so flowers feroligations.
 - Min fila 14 hoses late yeakly.

- We conclude that we rigidate materials can should diagraphy. nia rodin din the lacade statements?
- $(2) \cap (0)$ is true on (1) (i) statute interval (1) as follows:
- $(G_i \cap G_i)$ and G_i are a constant (G_i) in Student
- with the analytical distribution (ii) a larger

[M6, 2016, 2 Marke (But 6)]

282. We can of the definiting functions described by glannishten in the secondoctor.



(c)
$$y + ||x - 1|| = 0$$
 $y + ||x - 1|| = 0$
(d) $y + ||x - 1|| = 0$ $y + ||x - 1|| = 0$
[We shist 7 Marks (Sec.-1)].

- 283. Exhibit equal of the contract occuld the treat BEST BUST DOD IT DIS IT IN VALIA KIH-GEO, Vej u plije $-\infty + 0.0$ on the particle right of ω to
 - is: Cardo.
- 90 Tand I
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MB, 2019, 2 Marks (Sec. 1)1

- 294. From the tree continuous attractional factors are a gifal good 100 03 29 Baconas, kirule pock of the cein to excell didulation, stand law into of niconstant. special of larger facility and expension (e.g., in Marchina so beesself en tirre og at 9 kmå in , au composit recottomina i antomini (Winativanina Herrie) with a main small like $\{x_i\} = \{(i,j)\}_{i \in I}$ by $\{x_i\}_{i \in I}$ entectiveid?
 - (A. / Card 141)
- 19 57 8 s to 197 9
- N 045 Arrig 100
- $\{u\} = \{y_{0}, y_{1}, y_{2}, y_{3}, y_{4}, y_{5}, y_{6}\}$

[MC, 20, 8, 2 Marka (Sel-1)].

- 285 , 500 , Θ_{1} is sequipound along nine $m_{1}^{2}m_{2}^{2}m_{3}^{2}$ *********
 - ROUNCE LYMPH
 - $\log L_2 \cos x$
- 曲门 电环绕线
- $\alpha_{\rm s} = 210 \, \rm eVe$
- Int Burney
- - MF 2018, 1 Made (Se. &)1.

- 196 The perinduction statiste, a squad and an equation identifies a subset. Which rule of protomovial statisher is single?
 - $\hat{\omega}_{i}^{k}$, the shape two two the larger transfer
 - that Tale equal of has the leaguest year.
 - Joing throughly glad work in an agree.
 - (d) 41 the Tree shaped from the series with: [MH, 2018, 1 Veak (Soft 9)]

CIO be to be all the expression

$$1 + \exp_{\mathcal{A}} w = \frac{1}{4\pi} \frac{1}{\exp_{\mathcal{A}} \omega_{\mathcal{A}}} - \frac{1}{4\pi} \frac{1}{\exp_{\mathcal{A}} \omega_{\mathcal{A}}}$$

- (b) (b) (b)
- Ni Sha

[MH, 2018 in Mark (Str. 2)]

- Sills. An amaissed spin is the porting to as A leader for lateral life on such finals are replicated. One is a linear to a masses of the continuous constants for masses and fishers, and the lateral sections from the lateral sections.
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- (v) Two Tool group
- (b) One Tonalone I will gover
- (c) Two High regard
- (a) The mixilian between the and the

[MH, 2018 | 2 Marks (Set 2)]

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[Ma. 2019, R Marks (8th-2)].

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 - 3. If no no training belong (Coloring), yearing than the submoderation of coloring

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[M5, 2016, 2 Marks (Gol-2)]

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5. (C)	21 P	105 16,	.06. (d)	201 3	₩0 / e
4 (1)	77. (d)	l ka da,	157 Å d	57.8. (c)	2.0. (5)
: زال س	ne uit	197 K ²	Ref. 7.8	20.0. (a)	986. (E)
: 6 (E)	57 (%)	2.08 (6)	1.6. (9)	177 33	#1, 73
7 16	50 11	i= i1	160. (8)	2 . 10	$W(x) = \{ x\}$
1 5 76	99 (99000)	10 No.	le de	2 2. (0)	209. (d)
9 69	39.1 (3.257.)	1. 05	1 (i	219 33	554. (h)
5 (6)	01 (9)	1, 135	1546. (b)	2(4, -3)	
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21 0)	77 i li	125 - 30%	21 (g)	$MA_{i} = \{ j_{i}^{i} \}$	74 (H.)
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75 (C)	77 Tai	$1.38 \pm 10_{\rm pc}$	179. licii	200 - (9)	281 (c)
+ 61	78 (7)	194 pj	firfaction	931 (71	$\{\delta^{(n)} \in L(i)\}$
29 (-) (-)	Na jej	30 (c)	$\mathbf{k} = Q \hat{\mathbf{k}}$	2.11 (,	g(0) = (g)
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.: .::	87 (30)	20 (6)	1 1 'l;	505. ()	7:2 6.1
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75. TE	Sec. 3770 8	85. Tr	192 193	200	239. (6)
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(** 165	99. (5)	141 (8)	1.15 (1.1	243. (7)	5.6 (a)
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20 (c)	27 (0)	40 (E)	120.0(0)	2.17 (F)	290 (b)
s4 (5)	95 (0.19 8)	713 0	107. 000	2.40 (50	205 (1)
15. (580)	66 (6)	1	Petro (in	9-11 (33 (5)
at 150	$E_{\rm ext}=0.00$	48. (17)	104. (2)	25.1 mg	901 (6)
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the same of the sa	18 8.	\$77. (2)	2.7	950 jag	
VI. (80)	P.O. H.)	181. (T)	103 (a.	200. (c)	
h ji	15 . it)	$g(\xi) = 0$	2.15 (.0)	25:. [f]	
<u>_ 51. (0).</u>	<u></u>	155 <u>. (2)</u>	<u> 204 (5)</u>	255. (b)	
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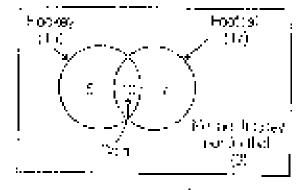
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- $f(A) \cup B(1)$, arritant which group is for productly to location said.
- Ulung the formula
- $\pi_1(f(x,f(x)) \pi_1(x) = \pi_1(x) \frac{\pi_1(x)}{2}\pi_1(x)$
- 1969 Bb | Bar | 7 | 16 = 24

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$$=\frac{40}{8000}=\frac{1}{8}$$

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countries desirable at the first seed and stikal en vorktride state eine de masten, velgt $52\times 20\times 80\times 80\times 20\times 100\times 30=7025$ units or **-**(1)

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$$(2z + 5z + 5c)z = 5c + 20$$

= Tala units of work

$$\left(2n + 2n + \frac{n}{2} n \right)_{A} = 3n \times 20$$

$$\frac{20a}{3}y = (x \times 2)$$

$$y = 1 \text{ order}$$

$1, \qquad \{5\}.$

Golden i di make Aldiga pumbora, so i le pumborano di belo. El bili i Jicha. No caza s possible:

Case (1) thousen in: vigit is 3.

From the time τ , upon by the arrow $\{0,0,0,3,3,\ldots,5\}$

$$\left(\frac{75}{50}\right)$$
 = 9 numbers are toxertk.

gri i shee 2, 2, 4,
$$\Rightarrow$$
 234, 232, 432

$$\binom{2l}{2l}$$
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(v) Let
$$i \in \mathbb{Z}/3$$
 , $0 \Rightarrow 200,323,300$

$$\left(\frac{20}{24} + 1800, 400, 400, 900000000000000000\right)$$

(a) writing the $C_{ij} \Phi \rightarrow A \phi_{ij} \phi \Phi + A b \phi_{ij} A \phi_{ij}$, where $C_{ij} \Phi = A \phi_{ij} \phi \Phi + A b \phi_{ij}$

 -481 ± 0 members are presented

$$(0.0157 \pm 0.015) \pm 4.44 \pm 0.024, 4.94, 4.95$$

$$\binom{G}{G}$$
 = 2 numbers are cosside)

$$((1, 16), (2, 3, 3)) = 354, 363, 438$$

$$\left(\frac{\pi^2}{24} + 3 \text{ true over two loss in } e^2\right)$$

$$\chi(x) = \exp(3(x+4) \rightarrow 344, 434, 448)$$

$$\left\{\frac{1}{2},\frac{1}{2}-is\ \text{more isomic promising}\right\}$$

$$dt_1 \cdot dt_2 \cdot d \sim d + 4.4$$

$$\binom{6}{3}$$
 = $\{$ run be s are possible $\}$

$$\left(\frac{5}{2} - 3$$
 or inflows are specified)

(a)
$$45 \text{ nd } 3.3(4) \Rightarrow 993.049.499.$$

$$\left(\frac{5}{2} - 3\cos 4x\cos a\cos \cos a\cos a\right)$$

(c) Using 9, 3, 3, 4
$$\pm$$
 938, 498, 332

$$\left(\frac{S}{2} = 3 \min \log \alpha \text{ arw pace bin}\right)$$

$$\left(\frac{5}{2} + 5 \min 200 \text{ and passible}\right)$$

$$\left(\frac{3}{2} + 3 \min\{\text{we are possible}\}\right)$$

$$\mathcal{C}(-1) \sin \xi(X,X,X) \approx 37.8$$

$$\left(\frac{2}{s} \text{ attention earth}\right)$$

$$\left(\frac{2}{C} + 8\pi \cdot \text{norms conpension}\right)$$

$$\left(\frac{1}{n}+2n \ln n \log n \log p \cos in \log \right)$$

$$T(1) = \bigcup_{i=1}^{n} \log X_i + X_i \Rightarrow M(1)$$

$$\left(\frac{1}{2} + 1 \sin \phi \cdot \delta \cdot \phi \cdot \cos \phi \right)$$

$$= 1 \cdot 0 + 1 - 10$$

The state field to have been using conducting the consequent

$$= 25 + 28 - 5$$

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So that $S=S_1$ numbers are there. (bg) of which $d\Omega 2S_2$ 3989 and health as 2 that called a variety of such valid numbers negating with S are 2r-7+2r.

Case (9) When Touce ide place in 4

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When the six cuton or near Bonol 20, 19, and 45 6, 4, 3 (8.8 ex.) layled in patro the archeration 57 eavys.

Of Emittage 27 numbers, 7.2.2.3 along institution for the control of the control

Ye wall the impossions 27 + 5 = 26 + 136; that it is more to 3.0 ± 0.05 (i) 2.0 ± 0.05 (ii) 3.0 ± 0.05 .

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Signato (Solfo age 1H) (Leas Appl. 10) Balkabaga (B) Mara separat

- $4 0 > 1 \times 0$
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- ficts arein; sons to sucking data ment priellber CS in SG paterba
- (4) FORD inchrows the asis selected by the control (Switten Burg) possible using distances (8).
- (4) Side 1.344 order applied by: a wife his hand OHH of Sight (coesible) pedation of (2 = 0.00) says OHH (coesible) and 1.245 and (45) wife (1) and
- (C) ASSID: approved notes that the Quanty \$15 of a count disting these based nearly \$15 or a gap \$25 of a Count distinguishing the second section of the provides \$15 or a count distinguishing the \$15 or a count distinguishing the \$15 or a count distinguishing the \$15 or a count distinguishing the \$15 or a count distinguishing the \$15 or a count distinguishing the \$15 or a count distinguishing the \$15 or a count distinguishing the \$15 or a count distinguishing the \$15 or a count distinguishing the \$15 or a count distinguishing the \$15 or a count distinguishing the \$15 or a count distinguishing the \$15 or a count distinguishing the \$15 or a count distinguishing the \$15 or a count distinguishing the \$15 or a count distinguishing the \$15 or a coun
- (5) if QQ: processing nations it is H som S is Qualities and drop poth indicatoires in S is H = Q = Incl. (2) appears to of streament (3). In great page lets.

9. (8)

$$m(C) = \frac{1}{2} \log(C) + \frac{1}{2} \log(B).$$

$$\begin{aligned} & \cdot \circ \circ \mathfrak{q}(\mathbb{S}) = \mathfrak{Q}\mathfrak{q}(\mathbb{O})^{16} \\ & \simeq \operatorname{co}(\mathbb{R})^{16} \cup \mathbb{N} \end{aligned}$$

$$\omega^{N} = -\frac{1}{2} \operatorname{det} \{(f_{i}^{N})_{i,j} + (f_{i}^{N})_{i,j} + N\}$$

$$e^{-i\phi} = S_{\alpha}(G + r_{\alpha}k_{\alpha}(G + r^{\alpha}k_{\alpha})) + S_{\alpha}^{\alpha}$$
 (7)

Now, a Nobel $(D/\mathbb{C}^2 + PS)$ carefuls.

$$(\lambda^2 + (x^2)^3 \rightarrow \lambda^2) \qquad \qquad \exists \ \exp_{\mathcal{A}}(\chi)$$

$$\hat{x}_i \hat{x}_i = -1 (\hat{x}_i^0 + \hat{x}_i^0) - (\hat{x}_i^0 + \hat{x}_i^0)$$

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$$\cdots \left(\frac{8}{5} \frac{1}{5}\right)' = \left(\cdots \frac{15}{5}\right)'$$

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$$\left(1 \pm \frac{1}{10}\right)^3$$

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- = 7.22 library
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 $10000\,\mathrm{kg}$ and $1000\,\mathrm{kg}$

$$\left[\frac{(x_{i}-4\eta-\frac{100}{\eta})}{\eta}\right]$$

As we have to relate the transpose. Conscionions

$$(a) \cdot a = b \cdot (b) + (4 \times 2) \cdot \frac{100}{5} \cdot 400$$

(5)
$$|z - 4| |110|$$
 , $|4 \times 3| + \frac{100}{\zeta} \approx 41$

$$(e) \cdot q \sim 7, 1.53 \pm 4.997 + \frac{999}{9} \approx 49.9599$$

(d)
$$|q| = 8.750, \pm 40.00 - \frac{700}{6} - 40.66$$

Here $a \in \mathbb{R}^n$ is a constant of q = b. (b) and, if above pulpositions in conserver test.

Alternata Solidon

$$a \in \mathbb{R}(n+k_{n+1}^{n-1})^{\frac{n+1}{2}}$$

$$mv_{i}mrk_{i}\omega_{i}=\frac{h}{d\sigma}\left(4\eta-\frac{r(\zeta_{i}^{2})}{h}\right)=0.$$

$$-105 \text{ m/g} = 5$$

$$\frac{\partial}{\partial z} \left[\partial z_1 - \frac{100}{q} \right]_{i=1}^{n} = 0.$$

Honce TC (Table post) is non-injurial at $q = 9 \,$ (8) and

9. jeu

As well an existent in the durant on the 35e of their points of the sines, will appropriate the polarity and growth with expenditure their performance that was supported to their performance of the perfo

$$\sqrt{\frac{2^{n}}{n}} \frac{2^{n+1}}{n!}$$
 where 1 , 2^{n} and n are the probability.

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$$SO(0) = \frac{(r+r_0)}{r}$$

With a Claudi star To Lappolity (a)(k) 85,699 Oldangomus at Switte e gazerium givar

$$\log D_{0} = \frac{0.6 \times 10 \frac{0.0000}{2}}{2}.$$

is the large key exists for $(0,1)_{n}$, $(0,1)_{n}$ for each (a,b,b) , (a,b) in the order of (a,b) so the start (a,b) and so the start (a,b)

10. (0)

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$$\begin{array}{ll} 1 \times 7 \times 7 = 20 & \text{(1)} \\ 1 2 \times 1 \times 7 = 20 & \text{(2)} \end{array}$$

Stay (1907) and in

$$z = \frac{1}{2} (a 10) \gamma = \frac{A p}{5}$$

Since, we note to find our number of three, ϕ_{ij} as the confing a decivit collaboration ϕ_{ij} and ϕ_{ij}

$$m * 7 \cdot + \sqrt{5}$$

Sa was ead wiften in , where in its their matter (). Bucks means)

$$m = \frac{5y + y}{6} = \frac{9 \times \frac{1}{5}}{5} \cdot \frac{30}{5} = \frac{30}{5}$$

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11. (e)

Let note an overall in per orbitals. In Rich Boss since exercise to which the Trunch Charm tick engine to a separative of a true day of electronics and take $= 0.068 \pm 4$ minute. The since to the side and 25% of 3.50 ± 0.06 when these Charmon Figure

Object after transfer (production r=0.022) = 0.48r=0.49r

and the parameter of the first two the $\mathcal{L}(s)$

Core in the appropriate Programs,

$$f_{-} = f_{-} = \sum_{i} a_i |a_i|^2$$

 $\mathsf{Her}_{\mathsf{CC},\mathsf{TC},\mathsf{TC}} = \mathsf{IGC}_{\mathsf{CC}}$

Los rumber (17) design from

Alternate Softman

January, care

whereas option (a) toward into injury explicits at this by $^{\rm D}$ and Q by and and GC values of the source of the spectrum.

 $1009\,\mathrm{MeV}$ for the Paramolton gradult $9898\,\mathrm{MeV}$ (resp. $309\,\mathrm{MeV}$

$$\begin{array}{ccc} & 11 & & 0 \\ 0161 & & (60) \\ (0) 199 & 940 & & 259 & 649 \\ \hline 199 & 940 & & 158 & 96 \\ \hline -20 & & -20 & & 55 \\ \hline -20 & & -55 & & 55 \\ \hline -20 & & -55 & & 55 \\ \hline \end{array}$$

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12. (c)

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18. (0)

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Using options:

If we see solutions for each or (a) if A is non-bornous consists (a,b) and (a,b) if A is relative A for B lies (a,b) A is (a,b) as a constant (a,b) and

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14. (d).

$$\gamma(y) = \frac{|y|}{y}$$

Astvallaga,

$$y \rightarrow \frac{y}{-y} = \frac{y \cdot \alpha}{y \cdot x \cdot C_y}, \qquad ...(3)$$

Samanes

$$f(y) = \frac{y}{y} + 1 \qquad \exists y > 0$$

$$\forall g) \leftarrow \frac{-g}{g} = -1 \quad 0 \notin s \in$$

allo con $[\eta_{T,t} + t]_{H(t)} = [-1, t + t]_{T,t} + [2, t]_{T,t}$ Affamace Solution

California sa T
$$f(y) = -\frac{y_1}{y_1}$$

considerationing $|\theta(0)| \cdot \theta + \pi$

$$\mathbf{q} = -\mathbf{q}(\mathbf{q}) \cdot \mathbf{q}(\mathbf{q})$$

$$|\hat{S}|^2 = (-1, -1, -1) = 2$$

$$\{\{a,\dots,\{a\}\}$$

Two sac first term of some $-\mathbf{A}$

Thereo, such that is, e_{ij} and e_{ij} and e_{ij}

Full, $n \in \mathbb{N}$ provides ϕ only obtain this matrix

$$\frac{4}{34}$$
 10 in Sec. (6) = $\frac{4}{9}$ [10.15 | 0.84 = 7()]
+ $\frac{4}{34}$ $e^{2\pi i \cdot x}$

Historia tim (otis do rechenkale). Abaya sa sel incon questione La patting values

Alternative Society.

$$=\frac{1}{2} \left[(2\pi - 1) \left(\left(\frac{1}{2} + \frac{1}{2} + \frac{1}{2} \right) \left(\frac{1}{2} + \frac{1}{2} \right) \right] + \frac{1}{2} \left[\frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} + \frac{1}{2} \right) \left(\frac{1}{2} + \frac{1}{2} + \frac{1}{2} \right) \right]$$

$$-\frac{3}{2}(m^2/m^2) \approx 10^{10} (m^2/m^2)$$

$$=\frac{2}{8}[2n^{-1}]$$
 and $[n]$

16 (s)

Total Cost $G = \mathbb{R}_2^{-2}$

Iona Sales Devenuo.

 $\operatorname{Profit}(x) = (x_1 + x_2) + (x_3 + x_4) + (x_4 + x_4) +$

An the Affiliave propriatingly

Սերասբ:որդ

$$f(x) \cdot q = 0$$

$$|P = 0| \times |0 - 5| \times 10^{6} = 0$$

$$(c)_{t \in C} \in \mathbb{R}^{n}$$

Pendo no mostmini diplico i napsieri al più o. Alfantative so unon

For passing in
$$\frac{d\rho}{d\mathbf{q}} = 0$$
.

$$\frac{d^2\sigma}{dq^2} \lesssim 10^{-3} \text{ Contrainistic equality}$$

Herizan sesi au ag en hwill happen al. Dienes

$$\gamma = \nu \nu / |0\rangle |\nu'|$$

Here y (noight) for constant $u(u) = \frac{dy}{dx} = 0$

$$-\frac{29}{64} = \frac{2}{62} + \frac{2}{2} + 0$$

$$\frac{d^2y}{dx^2}\bigg|_{x=x^2} = |\mathbf{U}(x)|^2 |\mathbf{W}(x)| + \frac{x^2y}{dx^2} |\mathbf{w}(x)|^2$$

For contacting of eight will see at $x \in \mathbb{R}^n$, y = 0 and y = 0 and y = 10 . Maximum range of y = 10 matters.

15. (b),

Lot it is 100 and 3. accurrant error inplied.

$$s \in \mathbb{R} \text{ to a significant } = 80014000, or 1000.$$

$$4.400 \text{pip} = 40 (209 \pm 100)$$

Belia (le suχ(ly by X + 9635 AL95 ± 67 f)

Periods supplied $\gamma = \sqrt{25}$ solid ~ 25.6

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 $= \frac{340}{57.3 \cdot 20.6} = 0.999$

19. (3)

Apply greater as develops the existent by constant increases melastrate in the arby as the 00 read. After the flipty operation who levelop discovered sections to the title section and all the read less by sense constant. White the play case development had access to the after all the sections at the sense.

Atternative Society on:

$$\frac{(x_1+x_1)\otimes x_1, \cdots x_{1n}}{N} \ = \ \bullet$$

$$\frac{(x+t)^{\frac{1}{2}}\cdot(x_{\underline{k}}+t)^{\frac{1}{2}}}{x_{\underline{k}}}+\frac{x_{\underline{k}}^{\frac{1}{2}}}{x_{\underline{k}}}+\frac{1}{2}\frac{(x_{\underline{k}}+t)^{\frac{1}{2}}}{x_{\underline{k}}}+\frac{x_{\underline{k}}}{x_{\underline{k}}}+x_{\underline{k}}$$

$$\frac{(\eta x_1 - x_2 \cdots x_4)}{14} = 2\varepsilon$$

Planta singlet Range correct.

20.1(a)

ABLOC Exiditial eigenments. For institution is specified in the property of the little seatons and the seatons are setting to the little seatons and the seatons are seatons.

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 serves 24

 $G \leftarrow \{1, 2, 3, 4, 3, 4, 4, 4, 4, 6, 6, 7, 19\}$ which is a substitution of the specific of the

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. 21. (d)

$$(1.001)^{100} = 0.58 \text{ at a (1.001)}^{1002} = 7 \text{ sec}$$

$$\mathcal{U}_{i}(C, f_{i, m+1}, \mathcal{U}_{i}(C, f_{i}) = H_{i, m}(C_{i, m+1}, f_{i}))$$

$$353 \times 735 \times 411.007^{23} \times 92.01 \times 61.00 \times 1100$$

 $1 \text{ erge} (1.004)^{113} = 27.337 \cdot 107.24$

22, 191

Lettle, run berig (7.00 notes bei si and 8.10 notes. beile improcessio

So
$$a = c - 11$$

$$-20 + 10 + .026$$

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Alternative Solution.

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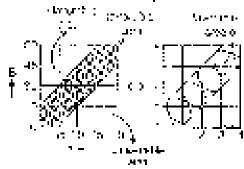
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23. (6)

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2-j. (G)

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$$=\frac{2.725}{10.307}\times i00 + (g_{11}/125, \pi/8)\hat{x},$$

25. (a)

Divide Blogative orbite profits

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v.ese (III: ⊁erordy, it he 0, ∪ congress sags) are equal har to be supprairly hag is one among meneral syrvansaga. Sakule a Gewelannig isl reported to first out builty desired a floor from bags, despitent of iwo weightings werequied, Thus in all at cases only two weighings are: reseguiresti.

Alternative Solutions:

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1 - 3 is \$negliggt stailed.

10 A4 Bloograph recurred.

$$z_{\rm eff} \in \mathbb{R} \to \mathbb{R}$$
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23 (d):

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$$= \frac{0.950^{\circ} \cdot (50\%)}{5240^{\circ}} \times 100^{\circ} - 1956^{\circ}$$

%-different ster star dreseard post poyetoprom

$$\sim \frac{78400 - 82000}{694000} \approx 700 - 2008$$

$$|Ax = 71 + 8$$

$$-3x + 7 + 8$$

$$-3x + 7 + 8$$

$$-3x + 4x + 7 + 15$$

$$-3x + 3x + 3x + 3x + 3 + 3 + 3$$

$$-3x + 2x + 4x + 2x + 3 + 3 + 3$$
and $2x + 4x + 2x + 4x + 3 + 3 + 3$

and
$$2x|+|-x| = 2x\frac{1}{2} + \frac{1}{2}$$

 $\Rightarrow = -\frac{1}{2}$

33. (4)

$$2x = y \le 8$$

 $x = 2y \le 5$
 $y \le 33$
 $y \le 333$

a option (b) and (a) is rejected decays. $z \ge 1.3\%$

Outer (et al reputice a y 10%)

35. (d)

BOC such to be insaling in two will been duringly poeit valionins.

Atternate:

Burn of coort Natural progress

$$2 < 1 + 3 = 44 + r(r + 1)$$

 $32 \times 33 + 593$

92. (sj.

Incodera filically (90), two digited run obere by contra 19n0 100 நீரை வர்சா 215 90j. காகர். நால் காட்டி நடுத்து வ Uncharged state a_{2} / a_{2} (14, a_{1}), a_{2} (5), a_{3} is no noste.

$$\left| | | \cdot | \left| \frac{1600}{\epsilon} \right| + 2.50 \right|$$

 $\Im_{\mathcal{L}_{i}}(oldsymbol{arphi}_{i})$ and process by the fit invariant simply drawble oc

$$\frac{1}{33} = \frac{6}{36}$$

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$$\hat{\rho}(se) + j \hat{\sigma}(shhord) = \frac{T_{ij}(sh_i) sh_i(sh_i) \cdot e_i}{t_i(sh_i) \cdot e_i}$$

$$= \frac{3}{80} + \frac{3}{80} = \frac{300}{10} = \frac{26800\%}{10}$$

J. (b)

the following contribution of the con-

$$\frac{1}{\sqrt{1 + 24}} = \frac{1}{\sqrt{1 +$$

sallica de enchilems by surbpying it will be gerg begginglight in maistriann describbled

$$\begin{bmatrix} 1 & 1 & 1 & 1 \\ 3 & -3 & 3 & -3 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 3 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1 & 3 & 3 \\ 3 & -3 & 3 & 3 \end{bmatrix} \times \begin{bmatrix} 1 & 1$$

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Now we cally griftly tends we will be for with

$$\psi_{\mathrm{S}(1)}, \psi_{\mathrm{S}} = (9-1) = 0$$

55 (b)

From the respective problem is
$$\frac{1}{5} \left[\frac{1}{1} + \frac{1}{54} \right]$$

$$= 15010 \left[\frac{6}{5} \right] \times \left[\frac{10}{24} \right]$$

$$= 15.110$$

ig i

$$=\frac{2\ell+1(r+s)\ell^2}{r!}=0$$

$$\rightarrow \qquad M + T_{\rm eff} + W_{\rm p} = 0.20$$

$$\frac{Tue(\gamma W + 1)^{\frac{1}{2}}}{\gamma} >_{\mathbb{Z}} \gamma S$$

$$\Rightarrow$$
 Tap + W = F1 = 13 (8)

.:i.

27. (t)

$$\frac{\operatorname{Total_{i}(S,an)}_{i}a}{\operatorname{cola_{i}(h,m)}} = \frac{(6 - 8 + 18)h \cap}{\left(\frac{1}{4} + \frac{1}{4}\right)h^{2}}$$

$$\frac{30071}{\frac{2}{3}m}=134.755$$

ভথ, <u>তি</u>ী

$$\begin{aligned} & (3+10+32+7)! \\ & (3+1)+(3+3)+(3+6) \\ & (3+3)+(2-2)+(3+3)+(3+5)...(2+1)! \end{aligned}$$

$$\tilde{a} = \frac{\mathbb{S}_{i}^{t}(I - 1)}{\mathbb{S}_{i}^{t}(I - 1)} = 2$$

$$\begin{bmatrix} \Delta g(S, 1, 3) + 31 & \dots & 81 \end{bmatrix}^{(1)} = \frac{g(1) + 1_1^2}{(1 + 1_2^2)} = 12^{-1} + 3^{-1}$$

$$\begin{cases} \sin \phi (1+\beta+\beta) & \text{if } x = 1 \\ \sin \phi (1+\beta+\beta) & \text{if } x = 1 \end{cases}$$

So
$$S = \frac{S(S' + 1)}{S}$$
 is

Aitemate Mathod:

Full $\tau = 0$ is an operate and let but the area $g_{1111} = 0.5 + 84 = 30$ is in production than

96 ih:

$$3\omega^2 - 2\omega + 2\omega - 10 = 0$$

precess are of pounds in tag in production from totals. ми со педвичел

$$\frac{p(a+b)}{8} < 0$$

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the visit presided by upgates

$$\sim 50 \times 7 \pm 2 \, \mathrm{days}$$

every lead your will have \$2.500 press whicks, #1. wai Marindon Indress e Indianourah dinasega 15 jili Cintest be cases.

Required proceedity ω_{ij}

15 មិនដែរដែល :

$$12.12, 51.198 \times 7$$

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$$40: -19 = 20 = 20 \times 1$$

39 and hold difference began to be $20 imes 8 \pm 38 imes 1$ المولي : Jereiore noxi tom hava to 987

$$= \frac{725}{-98} + \frac{1}{2}$$

$$\frac{799}{-987} + \frac{287}{-983} = \frac{1}{2} 0 \times 10$$

|= :0:

Processes in moderate and one sent one is a following 0.0000 series responsively to same $\phi \times \phi \otimes (\delta M_{\odot}) \otimes \phi$

14 . (b)

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15. Spilitran :

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$$(200 - \lambda) = V \times G($$

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48. (d)

Pelici modahang latan. Sidi di sepera satan is acceptable in 2003

Dok 1 =
$$\frac{1.900 \text{ s} - \text{beauty}}{70078}$$

= $\frac{120.4139}{100} = \frac{80}{100} = \frac{1}{100}$

17. (b).

As the of the lace is already three ing here insi-Copy is the diseasons from a reality glacomate. 1999 and the program to way processing 1951 a real mode parent (H. H. 7). Course processe tru or a self-or fact, on the self-eart (%)

46. (b)

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 $87.5 \times 6 \pm 0.59$ randa ina khawar ili agi

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5D. (φ)

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$$[2,3] = \{1,\dots,n\}$$
 [4]

and decompress, averageous foliate

$$\hat{D}_{i}(0) = 2 \cdot h \times (1 + 1) \cdot (1 + 1)$$

$$(3.544)(2) + (3.4.2) + \dots + (9.4.54) = 679.$$

Ausora con

$$\frac{(0) + (5 + 2) \cdot (2 + 4) + (3 + 6) \cdot (7 + 4)}{648}$$

which contains the contains (a) in the research expectation in $(b \mapsto a)$ will be

$$= (0) - (0.14)$$

$$> 25 - (64 - 4) = 61$$

67. (a)

For near numerover percentagin at assolve at (10)4. protons

A.
$$tturn 2 = \frac{20\% \text{ et } 250}{20\% \text{ et } 500} = 1.6$$

3. Home
$$= \frac{8898 \cdot 86900}{1886 \cdot 9^{\circ} 500} = 0.8$$

C. Ham
$$6 = \frac{10\% \text{ or } 200}{13 \div 61520} = 2.53$$

D. Hernő =
$$\frac{20\% \text{ of } 2\%0}{2\% \text{ of } 500} = 0.69$$

. Pagry dath 4 is largest.

53.(a)

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$$||f_{0}||_{\mathcal{X}} = \frac{1}{60} \left||f_{0}||_{\mathcal{X}} + \frac{1}{9} \left||f_{0}||_{\mathcal{X}} \right| + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} \right| + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} \right| + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0}||_{\mathcal{X}} + \frac{1}{90} \left||f_{0$$

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64. Southage

01, 94, 35, 24,

whence to resume purious sources θ , θ 1.44 and in between terms step and θ 3.8.46 θ × θ 0, and so on making white is

55. (d)

$$P = A \times B \times M$$

Clister els lessificación papar la pasa un consider habantel de conveyes karsiy.

жи. (b)

7.0, D.K. 19.7

Abstremaki ile Oranionis (7 lepara Engla) Appeloi.

From Eq. (p. contribute) (i.e., T(G) is defined

67, (d)

Cincedig heare. Note in question Li lanc i darbe de abbec

50. Soutone

the the whoolly of slope in e.W. they love intuiting. As whether is the to entended to bit.

$$\Gamma_{ij} = \frac{3}{3! N} \qquad \qquad |\beta\rangle$$

Dun quits, 99

$$\omega \approx \frac{3}{3-V} \qquad ...(0)$$

Fix diagregation (i) by (i) we get: C = 4 ms

ast Antibonic

51126.

$$12\% = 1,30,000$$

Selfing price upon 1841

$$= \frac{24000300 - 10.000500}{200}$$

er 2000

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Distribution of the teing deformable $\frac{\delta}{300}$

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81. (4)

$$\hat{Q}(\mathcal{G}) = \{\mathcal{D}_{\ell}\}^{n} \times \left\{ \frac{d}{dr} \right\}^{m} \times (1-m \times 1).$$

82. Sclution:

Penina Sheonsequiivo odorau nuora asi

원조 2, 3 4 1 47 - 하노97

Sum of the like (4) π (8 : 2) π (9 : 2) π (9 : 15) π

|A - 9| = 125

 $20 \pm 20 \times 420 + 7 + 810$

 $(8. \pm 20) + (8. \pm 22)$

 $-3.32 - 1964 = 3.1 \times 20.1 = 3.1 \pm 13.5$

87 (0)

IUM, 14 Option 6

among cylliste orlk Will percented to its 1976) lead in English Linguage.

64. <u>(g)</u>

REVENUE LUCK

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ACL NO GROSS

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SOA: Refer is MoLPC (secretor relating)

So. (t)

If an acted activation or toward

$$A = \left| \frac{\partial}{\partial t} \right| = \frac{\partial^2 f^{(0)}}{\partial t^{(0)}}$$

$$2P + \frac{P_{ij}}{2} + \frac{Q_{ij}}{2} \Big]^{ij}$$

Alternate :

Simple grown that all the quarter to bomble in 10 years will be 10%, increasing material growth ereson have to be less than 10. An englowers 639 (ASS) IN Fig. (property by $\hat{\mu}_{a}^{a}\hat{\mu}_{b}^{a}$ (for each $\hat{\mu}_{a}^{a}$ and $\hat{\mu}_{a}^{a}$ الرزازي الإجوار معاس

(30,6000,030) Cannot be p -swell as compagned. provide manual value keepings (c).

66. (88 to 22).

ກ 2010, ພາລ໌ໄດນຮຸດ

Cost objecting that in 20 co

$$1.120(1901)90 \times \frac{20}{170}$$

= 30000000

Cost Girls windton (1991) 8

$$\approx 0.00000 + 6.00000 \times \frac{30}{100}$$

= 7.000000

all er experid tirom 99-20

- 3000000 - 8500000

. 2000000

in each divide the Mariney $(a_{ij})_{i \in \mathcal{V}_{ij}} (a_{ij})_{i \in \mathcal{V}_{ij}}$

$$= 24000000 - 3400000 \sqrt{\frac{20}{100}}$$

Ional pession 2015.

- **Y** (2000)

Circomosea i ibaa basan 200 ki

57. (3)

(Wetall hard of color = 120 you be significance in All Har ai underlock numbred it possyotiges to a Doubel o piece 4 in medie at hi So sant receives: thus to all 15 but on $4 \times 6 \times 10 \times 10 \times 100$. Therefore 100000 = 400 = 411

ទីប kary sum recovan ជាមួយជា បាន

 10 × $^{(5)}$: $^{(5)}$: $^{(6)}$:

Similary lande ខែទី៧ខ្លួក ខ្

ås, overaller massaned gue to et sig fal

= 24× 1117 (29 ± 366688666)

68. (98 in eq.

$$\left(2 - \frac{3}{7}\right)^2 = 28.$$

$$\operatorname{Sin}_{n} = n^{2n} + \frac{1}{2^{n}} = 30$$

68 (6)

Given
$$a\lambda^2 = (\lambda, \gamma, \zeta = 0)$$

Mula are real said position.

· # · # ... ; [1].

i af waren 4i - Ondola a e 2. €

Target to be $a(a^{-1} + b^{-1}) = 0 = 0$

Then recover $\hat{\mathcal{A}} = \hat{\Sigma} \times \mathbb{R} + \hat{\Sigma} = 0$.

$$\frac{|\hat{f}(x) + \hat{G}|}{|x - x|} = \frac{1}{2} - \frac{1}{2}x = \frac{1}{2} + \alpha$$

$$y_0 = (0, 1, 1, 2) = 0$$
 $y_0 = 2$, $y_0 \in \mathcal{X}$ in

$$\frac{\operatorname{Red}(A, A)}{A = -\frac{1}{4}}, \quad \lambda^{\mathcal{S}} = \operatorname{RM}(A, \mathcal{S} = 0)$$

proof (a), $C_1 = 0$ is the $C_2 = 0$ for some $C_3 = 0$ for $C_4 = 0$

/C. (850 to 855)

Quy was train in small cores. =100

ម្បីប្រទេស មានទាន់ ១០០០ ៤០ ខែការ ខាន់ ១០១០០០ ២៤%

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11000 N 0.98 H 880 Te

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ture trimeng you when a part of disco-



For incommon purposes and tell

$$\left|\left(\frac{7 \cdot - \sqrt{7} \cdot 1}{2^{2} \cdot 0}\right) \times \left(2^{2} \cdot 1\right)\right| = \frac{14^{2}}{2^{2} \cdot 2^{2}} \times 100 + 44 \cdot 2$$

79. (8 % o) 2

73. (6)

jinger gryf Sjingelin ses af Pertoal broe 1900 y diewie. Henry Syn - 1900

or iwhorks a security sea

$$= \frac{19 \times 20 \times 30 \times 10^{-1435}}{9}$$

$$= 10^{-14} \frac{2 \times 2 \times 10^{-1435}}{19}$$

$$= 10^{-143} \frac{23^{2}}{19 \times 10^{-1435}} = 10^{-1}$$

74. (6)

Sign
$$y = \sqrt{12} + y$$

Solution $y^2 = -3 - y$
 $y = y + 12 - 3$
 $y = 4$
 $y = 4$
 $y = 4$
 $y = 4$

75. KT

Street a fember.

$$\begin{vmatrix} x & 3x & 3 \\ x & 2x & 6 = 31 \\ 3x & 3x & 8 = 6 \\ (x & 1)(x + 2) & 7 \\ 3x & 3 & 2 \\ (x^2 + 2x + 3 = 3) \\ 3x^2 + 2x + 12 = 6 \end{vmatrix}$$

MM and give hold too load $\mathbb{D}=\mathbb{D}^2$ - halo \mathbb{C}^2

$$\begin{vmatrix} x_1 - x_1 \\ y_1 - x_2 - y_1 \\ 0 \end{vmatrix} = 34 \cdot 15 \cdot 1 = 22$$

$$\begin{aligned} 0 &\leq x_1 - 2 \\ 1 &\leq y_1 \cdot \sqrt{1 + y_2} = -8 \cdot 1 \leq -2 = 12 \end{aligned}$$

raw i o^t i z^a i zi ganglio ti

73 (140)

ut annadrominium to fed ale le 2,5 il year 2006. Cutarus essan e mais an 2006 d'Annados 200.

SA 200
$$\frac{2}{5}$$
 m $2000 - 2.5$

Nuemina e ocupins (q. 1.2003) Number of three left ($2.008 \pm 0.8800 \pm 0.008$

¹β to α 1,200€ € β

Southwill agentiance at app.

് വിക്കാവസ്ഥാനാണ് പ്രകാഗവന്നെ സ്റ്റ്വ്യം

$$V(1)$$
 of $vase = \frac{20.0 \pm 3600}{1800} \times 1000 \pm 14000$

72. (a)

ر بويدا (مور negating) بر از از کو دومتاه دل او جای فروند

$$\int_{\mathbb{R}^{2}} \mathbb{P} \left[\left(\frac{1}{2} \right) \right] \times \frac{12}{7}$$

विकासम्बद्धाः वेद्याची (passingle quyon ca Arc Tally = Gland Clubys

$$\cos \theta = \frac{8027}{9} \cdot \frac{2}{19} = 22 \cdot \frac{9}{19} = 94 \frac{3}{19}$$

Fix of $A > \frac{\pi}{\pi\pi}$ angle treaspointmental and from

Landon de SM,

If the country angle have to come to 80% regreat option off, Pg.

78. (6)

$$2 \approx 30^{\circ} \text{ G/MH}$$
 (7.50 Gz),
 $2 \approx \frac{1}{2} \cdot 10^{\circ} \text{ G/HH}$ (1.10 $\pm 20^{\circ} \text{ G/H}$).

$$12 = 48 \pm 1.1 + 12 = 37 \pm 1. + 37 + 43 \pm 1.$$

$$50 = 7 + 1004 = 89$$

Suide schollabe eut son i

1 77 (6)

7 m	-184:	jār acī. Daņak	71 27-3 → . (MK) ⊊)	Set American	Tol. Stategali
	-		I* _	15 '	· 1
	7		V.	۳	_ _{≱≀}
i	:"	. 03			-

cia marka sociedi. Average Total combence of months

$$= \frac{218^{10.1003499} \times 9}{6^4} = 0.022727$$

1.000

80. Jájí.

 $9\,\mathrm{m}\,\mathrm{GCP}$. Wheneyour this 42043 be time as , During CO19 900 R COP Newspectating (Rs. $\operatorname{Go}(GD^{(1)})\operatorname{spec}(\operatorname{SO})\operatorname{spec}(\operatorname{SO})$ elas por hange rate for the stanger from Tel: (49,489 to Federal)

is, we some three respections $\frac{2}{2\pi}$, the problem is

So they
$$\mathbf{SDT}(\mathbf{1},\mathbf{1},\mathbf{N}) = \mathbf{1}(\mathbf{T},\mathbf{x},\frac{\mathbf{h}}{\mathbf{S}} + \mathbf{g}) + \mathbf{g}$$

Edit Give alliange Linn (165 Linn) p - 10.85 C. Compage 1 - Godeongage

97.161

Figure 1 for each tensely good is a vega-Control of a 10 a not an in Cofern a maging Was under elemental (2012) som sest unber യിലോഗന ന^{്റ്ര}് മായുന്ന നടക്ക് സ Secreta 4 (12012) (156-166) Between $\{(x,y), (x,y), (y,y)$

En nomale 1500 skapped s កដៅជាមី វាសម តំ ២០២៣ កងម៉ូត្រី ខ្លួញ ប

$$=\frac{1.40}{100} = \frac{1.5}{1}$$

$$\begin{array}{ccc} (15.86 + (3))_{1} & (1036)_{2} \\ (26) & Y = (4.86)_{2} + (4064)_{3} \\ & = (4.96)_{4} + (363)_{5} \\ & = (4.18)_{1} \end{array}$$

 $G_{i} = \{C_{i}\}$

$$\begin{array}{l} G(\mathbf{r}_{i}) = \frac{\partial f_{i}}{\partial r_{i}} ... \cdot f_{i} \\ \frac{\partial f_{i}}{\partial r_{i}} = 0 \end{array}$$

Equation of the game

√a taral'al dia car,

$$(x - 3) = 0 (y - 0)$$

 $y = 0$

€4) — Şahılları:

Total position in mode 20%

- Septimo 1930 103
- **-7**130050

 \odot_{R} following content and hence $= \frac{130000}{1000} = 8.08000$

67 Edellar 100

62 (0)

Let the quotation of study of a h

- Topulation to Proceed N A SE.
 - Parguigençae wiendran Am

90 - Salidani:

Are against the relative $T = \frac{1}{R^2} = 20$ years

97 - 65

$$-\frac{1}{2\pi} = \frac{2\pi i}{2\pi} \left(1 - \frac{2\pi}{20}\right).$$

$$\Rightarrow$$
 10 : $\sqrt{1 - \frac{27}{100}}$

$$\omega = -\frac{\text{egg}}{\log r^2} - r$$

98. (d)

colling the participation of the property of t

Cuantity of expert of tensil.

Consider on expect of note s=0 and s=0

Ji take temper

is a rever uses generalled from the out-

$$= 290 \times 0.12 = 30 \text{ order}$$

Total reveniges generaled from Harrier

Revenue generated Protein appetition is pos-

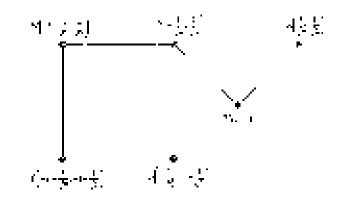
$$4.0 \pm 0.55 \times 10000000$$

 $35 \sim 40.45 hp$

Beverue generaled through economic to a 4 per-

85 - 186.298s

84. (c).



$$w_{i} = \sqrt{\left(\frac{1}{\sqrt{2}} - \frac{1}{\sqrt{2}}\right)^{2} - (-1)^{2}}$$
$$= \sqrt{3}$$

85. Solution:

$$0\% < 10^{\frac{1}{N_{\rm min}}} \cdot 10\% < 0.000$$

N(teplage S(v1) has degree as as action above -0.1×0.65) has a 0.3

 $M(\text{solute} | \text{fig.}) = 0.6 \times 0.85$

$$P(p(|h,p)|||V'') = \frac{C(1000)}{C(1094)} \sim 10 4.79$$

Add 5 for expective offices.

έsα

99. (6)

$$\begin{array}{lll} & & & & & \\ & + i & & & & \\ & + i & & & \\ & + i & & \\ & + i & & \\ & + i & \\ &$$

সঙ Galutian

Complete percarraga (delegge i i i percitata) coescistory del 2001

$$=\frac{(50.1500_{\pm 0.0}^{+}(50.340_{\pm 0.0}^{+})}{(0.1400_{\pm 0.0}^{+})}\cdot 100.1 = 92.223.$$

Combined horszelége i paessa in incovas ved exponenci yen 2002

$$=\frac{(20)}{2000} \cdot \frac{(60) - (13) - (60)}{(60) + 60} = 16.48\%$$

Compliant particulage increase in instome and expects for year 2013.

$$\frac{(70 + 00) = (80 + 0.6)}{70 + 60} \times 1.00 \le 6.$$

Complete : A se vaue incress et importa and experience year 1964

$$= \frac{(70 + 60) - (90 - 70)}{60 - 70} = 100. + 15.38 \pm 6$$

Combined percentage percusy in recommend. perpensite year 2005.

$$= \frac{(70 - 90) + (40 - 80)}{70 + 80} \times 100 = 6.67\%$$

Comes de percentigo inercesa in impolítica () espectafor your 2006

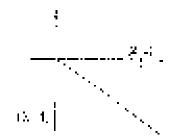
$$=\frac{(100\pm (90) \cdot 4.90 \times 90)}{70.150} \times 1000 \pm 300 \times 8$$

Outrobed concentage entress in separate and exponentialises 2007

$$= \frac{1200 + 1200}{100 + 121} \times \frac{100}{100} \times \frac{100}{100} = \frac{100}{100} = \frac{100}{100}$$

и ужи 2000 і сположт із ігдлях іре селеде сотічнос до жілій ігдрі жы фекропе.

39. (b)



Omno Mikron, gazylaci

n in the littler vocability of youngest a Opinious, in bugh with the see very established amon sommittee values of y

Option (v) a escribility, annough to leave the each of each of each of each of the given graph

100. (E)

(2010) (A) (A) (A) surfact as T is given identical. As given in question B worth only income ω) and

(Ordan (d) is vot duest les illés à lates i pleceminée releasones appoint)

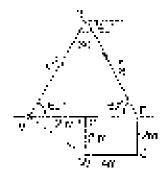
upper (d) in not not state on select \$ \$. U decrease to teacher as the long selection.
You if y open (d) to possible

101 (5)

Telles drawing third part of plans in garage sain intergibe land they 80 up by:

From
$$2000y = \frac{6G_2}{42g} = \frac{8}{50}$$

102. (a)



 $\Delta V(0)$ is a suitable of Δt

$$A(x) = Vx + M(-N) = 6 + 4 + 2$$

$$\nabla P = P \cdot |P \rangle P = P$$

Since
$$V \hat{\theta} = \hat{\phi} \chi^{-\alpha} + \overline{\alpha} \chi \hat{\phi}^{\dot{\beta}}$$
$$= 2\sqrt{3}$$

178. (6)

Type I

$$- \left(-\frac{10 - 78}{78} \right) \times 100 = 21.08$$

Tope I:

$$=\frac{766 + 1489}{1144 + 124} \times 100 = -400978$$

year line

$$-\left(\frac{100}{100},\frac{14}{4}\right)\times 1000 \pm 2005$$

Type IV

$$\int_{0}^{1/2} \frac{1}{100} \frac{100}{100} \left[2.175 - 14.29.58 \right]$$

√טנקע ∖

$$\frac{4^{2} \cos \frac{1}{2} - \cos \frac{1}{2}}{1 + \frac{1}{2} \cos \frac{1}{2}} = 2.9$$

So material for Type I

n(M., Belizilen

A H (0.11) Is in the triple of 1997 At 7000.

... A der Hack Singplet, valuka Pilita i diter Hazz. 9. Pilita kelosa

 $x = 2 \times 3 \times 4 \times 7 = 5121.$

13% (6)

Rolling also replied will have committee explosing a recognition and will also of limit of paperaty of Houles also required.

Formula words, All Daggers from forth All (1904).

So we satisfy
$$\tau \in \operatorname{In} \mathcal{P}(0,0)$$
 ($= \frac{\operatorname{ch} \operatorname{reg}(\zeta^2)}{\tau}$

But the goffing quality of solution was the Index Tolky mean the fel

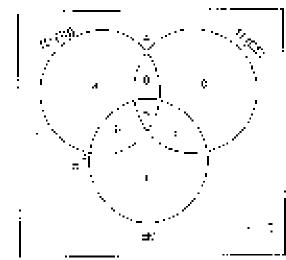
കുള്ള എന്നുമാരും വരത്തിയിലെ 15 is 40% വ ഒരു സൂറ്റം മാര്യൻ വര്യ - 80% പ് 14000

$$-15.200i$$

We confidentially a formula = 9000

Contribute statements well as equivalent to Richtly as a partial of the contribution o

Jusi, fait



31

itts of coolers FS N FM

107 (0)

$$\langle \hat{\rho}(\mathbf{r})\rangle$$
 . In $[\hat{\rho}]$ into the large

 $P(y_1, y_2 = y_1) = P(y_2) =$

1108 (h)

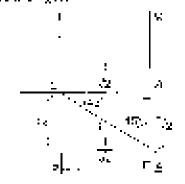
If a plinition multiple scarp term about AR bala, constant test of global code will be also AR as a common difference of spirit a constant.

113. (2)

$$\begin{aligned} & \{ g_{i}(s_{i},t), \ s_{i} \in G_{i}(s_{i},s_{i},s_{i},s_{i}) \\ & \{ g_{i}^{(i)} + c_{i} \frac{1}{2^{i} \sqrt{s_{i}}}, \ g_{i}^{(i)} = \{ g_{i}^{(i)} \in G_{i}(s_{i},s_{i}$$

111. lai

Profession in ellipsy (ell #10%)



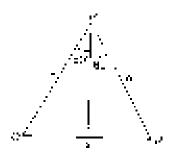
$$\Delta a_i G(y=1), \ G(y_i=j\Delta iy=\frac{1}{\sqrt{2}}=f(y_i)$$

$$200 \, \text{MeV} = \left[4.10 \pm \frac{1}{25} \right]$$

$$= cPe^{-1}\left(\frac{1}{\sqrt{2}}\right) = 1$$



112. (a)



$$1 \cdot \Delta^{\alpha} C^{\alpha} := A \cdot A^{\alpha} C^{\alpha} c_{\alpha} + A c_{\alpha} C^{\alpha} c_{\alpha} + A c_{\alpha} \Delta^{\alpha} C^{\alpha} c_{\alpha} + A c_{\alpha} \Delta^{\alpha} C^{\alpha} c_{\alpha}$$

$$\frac{1}{2} e^{2\pi i k_{1} + 2\pi i k_{2} t} = \frac{1}{2} e^{2\pi i k_{1} t} \sin (2\pi i k_{2} t) + \frac{1}{2} \cos (2\pi i k_{1} t) = \frac{1}{2} \cos (2\pi i k_{1} t) + \frac{1}{2} \cos (2\pi i k_{1} t) = \frac{1}{2} \cos (2\pi i k_{1} t) + \frac{1}{2} \cos (2\pi i k_{1} t) = \frac{1}{2} \cos (2\pi i$$

$$\frac{1}{2} (\times \mathcal{Q} \times \operatorname{Sin} (180 + 30)) + \frac{1}{2} \operatorname{PS}_{3,1} \operatorname{QF} (x_1, \gamma)$$

$$\frac{2}{4} (1.00 \times 80080) = \frac{2}{4} (28.81 \times 10^{10.11} \, h)^{-1}$$

$$r_i x = \left\lfloor \frac{1}{i+1} \right\rfloor$$

i 13. :/:

to the state of t

114. (A)

A vis2-3, d, e), B $_{\rm e}$ (th, re, tailing, $t_{\rm e}$) Remarks about the velocity of the $t_{\rm e}$ t_{\rm

$$\text{MODE}(\|y\|_{C}) = \sup_{s \in S} \left(\frac{1}{s} - \alpha_s y \right)$$

115 (32).

Let use with compare of the term in the stiple the T . Which denotes the Φ - Φ - Φ in the support of Φ

$$S \in \frac{\mathbb{N}_{n}}{2}, -40.5 \, \mathbb{N}_{n} = 79$$

 $\Delta(8c^{-1}c, 0cc)$ for independently dense (subsequence) as $f_{\rm s}$. Bisothesis § 2.7(8, oc. 7)

$$|D - D \otimes G| = 20 \Rightarrow x = 32x$$

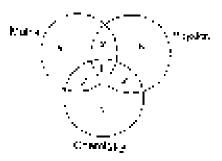
Acceptable to female stroggic mode

$$\Rightarrow -\frac{\alpha}{2} \approx (1.465) + \frac{4}{9} \approx 4.6$$

sudministrations elegante (september 2)

Defining $\epsilon = 23 \cdot 1.18 \pm 32$

(ن) Lifi.



Attailding and History

$$\mathcal{C}(Y_t) \leq \mathcal{C} + \mathcal{C} + \mathcal{C} + \{y = y\} + \epsilon$$

$$\Delta = f \cdot \cdot \cdot c = 473$$

ser (a) it has got.

2200 8
$$-9 - 6 = 2000$$

$$\widehat{\varphi}(SS) = (m-S \times SS) = \widehat{\varphi}(S + m + 1) \quad \widehat{\varphi} = \widehat{\varphi}(G + 1) = 2$$

$$\mathcal{D}(t) = 0 \Rightarrow t^{(i)} = \left(0 + t^{(i)} \otimes \phi\right) + \mathcal{D}(t + y + z) = 0 \text{ for } t = 0$$

$$e^{-2}(dt) + 2 \times 4(t \pm tg_0 x_0 \pm \frac{p\pi}{ta_0})$$

117. je;

Манерам «Лексивалну Только устана в жог

Average marks =
$$\frac{7 \text{closers}}{36 \text{ color retails}}$$

$$=\frac{250}{3}(1.675)$$

$$a_1\log_{\mathbb{R}^n} x = \log n \cdot n \cdot n \cdot n + \frac{\log n^n}{\log n}$$

$$\omega = 1000^{12}$$

$$\log \left(\frac{\pi}{2}\right)^{-1} = \frac{1}{3}$$

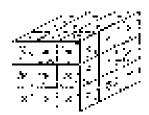
$$\Rightarrow \qquad \text{if } t_{i+1} = \frac{1}{2}$$

$$=, \qquad \qquad x = \frac{(x^3)^3}{(5)}.$$

$$\left\lfloor \frac{38 - 8}{66 + 6} \right\rfloor \times \left(\frac{33 - 8}{66 + 6} \right) = 2$$

120. (6)

Number discrete ne - 9 × 8 − 4. (3 oneach late = 6 aces)



 $1007,09009 \times 24.09$

14 The sixtle in Total Issue III was distributed:

$$= 27 \times 6 + 6 \times 6 = 200$$

$$-\exp(\cos x_0) = \frac{V_0 \log x_0}{(0.1 + \sin x_0)} - \frac{54}{103} = \frac{1}{2}$$

481. (a).

cok at the tree mass sample $\left[\frac{g_{\rm d}}{g_{\rm m}}\right]$ of terms

no editor pulse i
$$\frac{A(k)}{k} \leq 0$$

Saction for a fixed elember $\left(\frac{a_1m^2}{b_1}\right)$ or which the

or notation of i $\frac{7+4-9+3}{2}$ = 7 is solution ideleted a 774 cm

Similarly Measure dokelon.

$$\frac{\theta + 2^{-1} \cdot X + \frac{1}{2}}{2} = \theta$$

Set no topo ni ddiu usin = $\frac{8 - \alpha}{2} + 3$.

192 (3)

Specification can be discussed communities yields

Jaimld	Oterance	Elicinary aged			
	<u>.a.</u>	1256 - 68			
Ŋ	4	25 1355 = 0.57			
r	70	45 80/30 = 0.60			
: 1	100	97 12:29 / C.45			

-erazonin munici A

15a (6)

Basel od preoabily

$$=\frac{1}{3} \times \left(\frac{7}{4}\right) + \frac{1}{2} \times \left(\frac{9}{3}\right) \times \frac{9}{46} \approx \frac{1}{8}$$

124 (0)

Bon the conclusions and Horsey.

125 (8)

1990 amores.

$$(a + b + c)^2 = r^2 + c^2 + c^2 + c^2 + c + bc + ca)$$

$$(a + b + c)^2 - 2 = 2(ab + bc) + ba$$

$$f(z; \vec{\sigma}' + \vec{\sigma}' - \vec{\tau}' + \vec{1})$$

For $\partial h \otimes h \circ \Phi$ is some continuous $(\partial \Phi \circ h) \circ h$.

Vin. (a)
$$+$$
 20 ii 530 $-\frac{1}{a}$

Johnstong a $-2\pi i = 0$

Dry equal to hearing value as $-\frac{1}{M}$.

125. (600)

Tigericku papat sewnorfind dest Swertigers radioau s Sirv. Soless exponders di Egarand. Jean 50 N 6 = 400 n N 3

Figer gives δ -caping smarrow which is equal to $\delta = 8$ when $\delta = 8$

Deep garee in 1985 in a minute volumn to equal to: Kinds Hotel myricula

Now relative divisation of 800 in shape to the equated $m_{\rm B}(100-25) \approx 900$ and .

$$-600, \text{ red, } 6 \pm 0 = \frac{400 \text{ m}}{(40 - 3000) \text{ m/s}}$$

On dintance travelled the larger

$$\frac{\mathcal{T}_{k+1}}{mn} \times \Delta_k \exp(-i\lambda 0) \, m \ln n,$$

127 - (a)

This inclusion agree largers as well at a 4 office according to sweep by Irua.

158. (a)

nt teknologia basa Willematig atra, sawa agale Basibyona S. Willemed Books Thasse goldonot William Basib Bat Tromaret Agastadda asar asa Itan agalesa di arra Magas

100 (m)

$$\ell \, 0 \times d^2$$
 , by the $-$, $\sim \gamma \gamma \, \mathrm{mean}$

$$= 10004175 \cdot 77727 \times 10002 \cdot 1000$$

$$25.096 - \log_3 - \log_3 cm$$

$$\log(30^{\circ} Z_{\rm c}) (30^{\circ} Z_{\rm c}) (30^{\circ} Z_{\rm c}) (30^{\circ} Z_{\rm c})$$

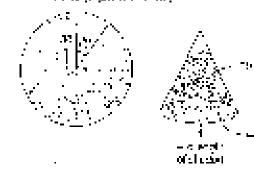
$$= 0.0170 \times 871$$

$$f(x) = (x, y)$$

$$A_{\theta} \operatorname{Em}(\Theta X + \Theta) = A_{\theta} \operatorname{H}(G_{\theta} \circ G)$$

:71 (2,08a)

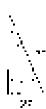
The above of earth of cheets is reed is followed: To mis vivie (Figure below)



$$2\pi i Y \in \sup_{n \to \infty} 2\pi \times Y_n = \mathcal{T}' = \mathbb{Z}_2$$

$$2.7 \cdot \sqrt{30} = 27^2 + 6000 + 227$$





fisquired rms $\frac{\mathcal{C}}{\mathcal{C}}$ $\leq \frac{\mathcal{C}}{m_0} \approx 2.324$.

SQ. 765

Total number of matteres $S_{\rm tot} \sim 1.5$

(38) (b) $1> 0 \text{ for } T_i = 0 \text{ order} \in \mathbb{N} \text{ for small although a substitution of a regularity and a <math display="inline">T_i \approx 0$

.84 (0865)



Area
$$\Delta GTS = \frac{1}{2}SQ + QT \text{ units of}$$

$$20 = \frac{1}{2} \cdot 5 \times 2 \cdot r \times 1$$

$$xy = 20$$

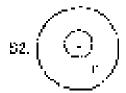
Now we are about $\sim 0.00 \times 10^{10} {\rm cm}$

$$= \frac{1}{2} \times \ln x / v \times \sin 90^{\circ}$$

$$> 32 \text{ my} = 280 \text{ erg}^2$$

186. jaj

$$\operatorname{st}(a)$$



The other recognishing congramming the



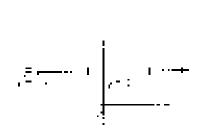
- n, 189 ma managar con be executive.
- is in the continuous versable manager.

127. (c)

67 a parallo to a asid

N 10 (2) 2

3242



where we have the conjugate of the section of the first section \mathcal{G}_{i} . It is always

26 Light Saccomment using (%), 15(1) 0 values etc. - with page 9 or it year 68 (%), 10(1) 10 values regularly 6 st. gat = 3 valuet got 50 wild 50 or Gy 120 + 80 (1), (10] = 80 + 2 (1) 10)

$$- \otimes \sum_{i=1}^{n} A_i$$

Sin ka vig vang ng polinubul Fo⇔wi Le gradios y. Sh

$$[8] = [90, \dots, 6] \Delta_{3} = 9[1 + 100 - 0] \frac{9}{100} C$$

at the form (i.e., 5), and $(4.9) \, \Delta^2 s = 0 \, \sum_{i=1}^{N} r_i \, \sin \theta = 0.9$

awasan aligi desiwat

$$\lim_{n \to \infty} ||f(\sum_{i=1}^{N} f_i)||_{L^{2}} \leq \sum_{i=1}^{N} |f(i)|^{2} \sum_{i=1}^{N} |f(i)|^{2} \leq \dots.$$

$$\mathbb{E} \sum_{i=1}^{n} p(x_i, \mathcal{E}_i) (X_i = i, 0) = \sum_{i=1}^{n} p(x_i) \sum_{i=1}^{n} p(x_i)$$

Participation of the property of the participation for the

___as a room
$$(3/4, \nabla, 1)$$
 1, 92 8014

 $\sum_{i=1}^{n} c_i \times \sum_{j=1}^{n} c_j \times \sum_{i=1}^{n} c_i \times \sum_{j=1}^{n} c_j$

$$2 \times \left(\frac{(6 \times 10)}{7} \right) \cdot \left(\frac{10 \times 11}{2} \right) = 37.00$$

Airennum Mobiladic

La territory (196

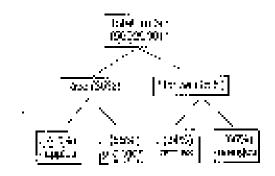
 $|\Psi_{i},\Psi_{j}\rangle = (2.5 \pm 0.5 \pm 0.5 \pm 0.5 \pm 0.5 \pm 0.5)$

As a continuous of P(Q,P) subfinition for the continuous $\{x_i,x_i\}$ respects ordinated by Vet-Attern $\{Y_i,x_i\}\in P(Q)$ ways

Now with registed from the your cruit well for 2000, non-characters, you called the display of as the private is allowed on a great factors of controls and displayed Recognitions of controls.

New pages by well-ordinate for C bounded $n_{\rm CO}$ and $n_{\rm CO}$

136, (4)



for all interpretables of $p_{\rm B} \approx 1.08$ and $p_{\rm B} = 1.08$ and $p_{\rm B} \approx 1.04$ and $p_{\rm B} \approx 1.04$

- $-46.8 \times 0.45 \pm 0.27 \times 0.34 \times 49.800$
- = 2029393
- 159 (6)

Tylegang the with reposition of sames can be once

A programmotor or women between Almed And range for Leoneen Southannia off items & range and (or L.D?) rangings of 7

140. (c)

 $\Pi \ni \text{modest probable} :$

$$|0.5| \times 0.7$$
, $|0.5| \sim \frac{59}{900} = 3.5$

14i. (ii)

Line E (Locks Recoder shows Profing): S > I (Single proprietable gas). So Province to group a_{ij}

442 (2)

$$O^{2} = i_{1} i^{2} + 2 i_{2} i^{2} + 2$$

$$8.4630 \text{ o} = \log x$$

$$|\psi_{i}(\omega)| = |\xi_{i}(\omega)|$$

$$Seph + h + p = \frac{299}{899} \times \frac{1000}{899} \times \frac{mgg}{800} \times p$$

(35 (2)

Coan do eath pizz vigit = \$33 kg.
Goerndo work in 50 virit = \$20 kg.
Strong our ray (/3 kg de altiport as P.
Now Object of \$10 to draw \$100 percents.)
he will do to an normal week (Faulty of to the

For SMC has the relicions by
$$\frac{1}{3}$$
 and $\frac{25}{300} = \frac{1}{3}$

While P worked for all P case with firstly, S one which $R \times P = 128$, this should find that $R \times P = 128$, this should find that

Servit se
$$\left(\frac{126}{400}\right)$$
 . (i...9 in s) the way .

So repaired rate
$$\frac{1}{2}$$
, $\frac{100}{600}$
120, 136, 20, 21

1946, (6)

Aniemka med leite elitekntsy as elitet workst 12 oeli na mun, savnikt in mis recken meg pill polectit walkhihokar illa could have navn for surrenmings. But Afaichtli amin institut ja Halahili in 12 med er en Aminin jajarihogo el sellet

Notic of convenient $(1,86) \subseteq n \cos 8 > -2$

148 (168)

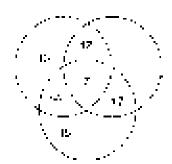
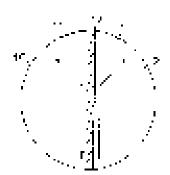


Fig. 10 obey of statertist in the polyposition by the particle is see about the set t=3-10 and t=4 and t=5 and t=5 0.

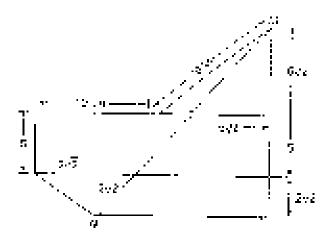
167 (<u>d</u>)



Vinor happend III (\$19.10 130)

3.0 YO who the third which projection to inhark
 50 Only 1000 with the 11 15

149, 79%



See the adjoining figure to some on

$$L(\theta^{g}) = 2\sqrt{2} + \omega + \sqrt{2} + \theta = 0.05$$

$$MW = 100 + 5\sqrt{2} + 3\sqrt{2} + 10 + 8\sqrt{2}$$

$$W_{i}^{\prime} = \sqrt{(\partial W_{i}^{\prime})^{2} + (\partial \widetilde{W_{i}^{\prime\prime}})^{2}}.$$

$$= \sqrt{(5 \pm 7\sqrt{2}) \cdot (100 \, 3\sqrt{2})^2} \rightarrow (30.81$$

i49. !bl

Hubbarden bei Heigheis und die Seel Eighe 1940 nach

halped which see equivals used in making assumes each side without guide with making a part which had omight yis used in making a fear provide sides in a contract of a sides into angle (p8 - 43).

भेष्टिक को द्युक्ताता का अंग्रीह

Appeld eclargic o y∜10.

(3) contains the
$$\left[\frac{1}{13} + \frac{1}{13} \right]$$
 (2)

Single, paged by equivalent of the section and sec estag estuato i filin (cilive set

$$\frac{e^{-\delta x}}{\cos x} \frac{1}{2} \left(\frac{(3x)^2 + x)^2}{2\pi} \right) \neq 0.$$

$$to\left[\frac{\lambda}{8} - \frac{\lambda}{6} - \frac{301}{14}\right]^2 = 0$$

accitização de aleganica si

$$^{\circ} = 40 \text{ eVm}$$

150. (2).

14 sintha peritor, equare.

158 (2)

The committee roughly increases fical even fig. guinta an Limita

 $\mathcal{H}_{\mathbf{a},\mathbf{b}}$ (adoptions with $\mathbf{e}_{\mathbf{b}}$) and $\mathbf{e}_{\mathbf{b}}$ in the matrix

Magnify (#egicle) at the temporary area in equal. per successi

$$\text{Tr}(\mathbf{SSC} \Rightarrow \mathbf{RSF}(\mathbf{U} \Rightarrow \mathbf{v}) \xrightarrow{\frac{1}{2}} \mathbf{v}^* \mathbf{v}^* + \frac{1}{2}$$

 Z^{*} (see Equation). In A = 0SP replay

$$\log_{10}(r_0) = \log_{10}(r_0) = 1 + 1 + \sqrt{3} (18.7 + 1\frac{1}{8})$$

4. Section 2 to a problem
$$\frac{1}{2} \times 1 \times 2 = 1$$

$$S^*$$
 set ± 3 taight int ± 3

of section targets
$$-\frac{1}{2} \times 1 \times 1 + \frac{1}{2} = 1$$

$$\partial^{+} \cos \phi = 0 \text{ this: } g \cdot \theta = \frac{1}{2} \times 1 \times 1 \times \frac{1}{2},$$

Bis CenTite gainson wardship

$$=\frac{1}{2}4^{-1} + i\frac{1}{2} \cdot 1 \cdot 0 \cdot \frac{1}{2} \cdot \frac{1}{2} \cdot 0$$

158 (6)

ស័ណ្ណប្រឹទ្ធភូមិ ~ 8 Xman Regal=2 modified Мелей адо — покори архий пень з Payons says x_i of shank $\epsilon_i \phi = 1$ about b- North British Good Students Machine Ruserte Gravani. x_{i} for keep compacturity the s_{i} , s_{i} as a small of the first

i54 (a).



Paritimos en σ Arca, of $\Delta\Delta DC$. Area σC rationed 50000 $1 - \frac{1}{2} \mathbf{x} \, \Phi(\mathbf{x}) = \frac{1}{2} \mathbf{x} \, (0.128) \times 1$ 12 x 8 25 - 15.25 eq. Critic

155 (a)

Shought, iteraphics (serves of
$$x = a \log a + 1)$$
 (for $x = a \log a + 1$) (for $x = a \log a + 1$) that set $a = a \log a + 1$ (see a)
$$a = a \log a + 1$$
 and $a = a \log a + 1$

$$y = m(1 + 0)$$

$$0 = 40.02 \times 0.0 + 0$$

$$0 = 0.002$$

$$y = 0.02 \times 0.03 + 0$$

$$y = -0.02 \times 0.03 + 0$$

$$y = -0.00 \times 0.03 + 0.000$$

$$y = -0.003$$

19:0.1(5)

Carginotic mass area $v \in \mathcal{A}(A)^* = \partial C$

The figure case are removed. The commend samples in a reverse with will constant from su Carson in ordina la goloupe. Colo rêne area, withous provide angled, so take

167. (b)

shequetae

 $(5/9 \pm 80\% \pm 10\% \pm 10\% \pm 1, 19/15/08373 \pm 1)$ Secotle

(another a least a relative in the base) in the
$$\mathbb{Z}^n$$
 . Solit

 $(475)^{\circ}2 = 3746 + 19.44 + 10.663 \times 66 = 2$ Which is righted by Biteletticket.

bä. jöj

Firm Constituted, Lordon V, following inflarence can be diagen:

. Mayraya daele R

The convenience B

and I Halways Lead 0

Thus, about a replacement from deal per $\sigma(\phi)$ given continuous formula ().

Now, condition at materials (sees to Prony serionis). Will less a Empst.

. If the limited the size in the form seem that the forming of Legal ${\bf C}_{\bf c}$

in is, maler with job is include poor at the other than the other.

Pie likela le tereniem si

Korremonii (°) Yink et kipulalla dila everati etayoriin 1.4 %-ilik aliye SALOTius Silopats

Parcel of the area.

17 (3)

$$f(x) = 2x \qquad (2x - x)$$

$$f(1) = 2(-1) + 3 + 6 = 5 = \frac{1}{2}(-1)$$

Till: (A)

$$\frac{|\alpha^2+\beta^2|}{|\alpha^2|+|\beta^2|} \sim \frac{|\alpha^2|+|\beta^2|}{|\beta|+|\beta|} = \frac{|\alpha^2|+|\beta|}{\left(\frac{\beta^2}{|\alpha|^4}(\alpha^2)\right)^2} = c(\alpha\beta)^2$$

 $g^2(y), \quad \forall c \in \mathbb{R}^{n+2}$

$$||\mathbf{k}_{\mathbf{T}}(\mathbf{r})| = ||\mathbf{r}_{\mathbf{T}}(\mathbf{r})|| = |\mathbf{r}_{\mathbf{T}}(\mathbf{r})|$$

162 (c)

Currence reduces in all epigate A. B. Clears introduce this calls in the calculation ω 0.05.

12-3. (4)



e Coe ny sann disy am neumbe cruws an

$$(a \circ b) \times a(a) + a(b) \times b(b)$$

$$i20 = 55 - 85 + (6 + 5)$$

 $i6 = (4 - 2)$

184 (c)

Number mediangulas will be

As exercised any two her zerith and may two MCDCA make are choosen than two seguing will produce a violation.

178 (5)

10. 23 43 03 to at primary these dospital properties 0.0, (15.8), and the equivalent 0.0, (15.8).

170, (4)

$$\begin{aligned} & \frac{|3y - 6| + 3}{4} + |3y - 6| + |3y - 6| + |3y| \\ & + |3y - 6| + |3y - 6| + |3y| + |-|3y| \\ & + |3y - 6| + |3y| + |3y| + |3y| \\ & + |3y - 6| + |3y| + |3y| + |3y| + |3y| + |3y| \\ & + |3y - 6| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| + |3y| +$$

174. (8.)

Finallies (Heldings British =
$$\frac{80}{100}$$
 = 0.8

Or chall (840) Which this things $1.11 \pm 0.2 \pm 0.4$. So sugarming there like of examinal throws 1.110. All the skill being venillar.

$$^{10}G_0 \approx 66 \times (0.40) = 0.2509$$

175. 3cl.

Undergrow $2\pi e^{2\pi i t}$, $\pi \times 2^{2\pi t} \times \pi / 2^{2\pi t}$ and $\pi \in \mathbb{R} \times [1.5, 2]$

178 Mil:

lickwing figure can be drawn:



Tel material winds 40

$$35 = 6^{-11}$$

 $5 = 3.24$

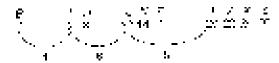
Figure 2. We discuss the energy of the property α

$$\sin(2\beta) + \frac{d^{\frac{2}{3}}}{4}(1.2)^2 + 2.09 \text{ m}^2$$

(5) 67:

(Assertion, daily contition for group (3.4) income that the proposition single-order continuous entitle the root go gwents the range or matter secred in group (Jessey By et to group 7.0), is notified (3.5, d) by the responsibility of the continuous

352 181



So the range we obtain ours mass to that terming the contrast three sections of the expension of the section o

191. (8)

 $\mathcal{A}_{\mathrm{SM}} = \mathcal{A}_{\mathrm{SM}}$ and $\mathcal{A}_{\mathrm{SM}} = \mathcal{A}_{\mathrm{SM}}$. Salishes

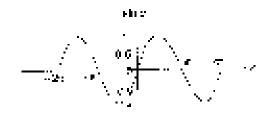
$$|x_0| = h = p_0 + (2.4 \cdot 54)$$

$$s = 5 + g \in J \oplus (3 + 9) = \epsilon$$

 $(a_{2}a_{2}) = a_{1} \cdot a_{2} \cdot a_{3} \cdot a_{4}$ on salished or $a_{2} = 0$:

192. (c)

$$\begin{aligned} y &= T \Big| \frac{\partial^{2} \mathbf{u}}{\partial t} \Big| \\ &= -\delta T \Big| \frac{\partial}{\partial t} \Big| \\ &= -\delta T \Big| \frac{\partial}{\partial t} \Big| \frac{\partial}{\partial t} \Big| \frac{\partial}{\partial t} \Big| \frac{\partial}{\partial t} \Big| \frac{\partial}{\partial t} \Big| \frac{\partial}{\partial t} \Big| \frac{\partial}{\partial t} \Big| \frac{\partial}{\partial t} \Big| \frac{\partial}{\partial t} \Big| \frac{\partial}{\partial t} \Big| \frac{\partial}{\partial t} \Big| \frac{\partial}{\partial t} \Big| \frac{\partial}{\partial t} \Big| \frac{\partial}{\partial t} \Big| \frac{\partial}{\partial t} \Big| \frac{\partial}{\partial t} \Big| \frac{\partial}{\partial t} \Big| \frac{\partial}{\partial t} \Big| \frac{\partial}{\partial t} \Big| \frac{\partial}{\partial t} \Big| \frac{\partial}{\partial t} \Big| \frac{\partial}{\partial t} \Big| \frac{\partial}{\partial t} \Big| \frac{\partial}{\partial t} \Big| \frac{\partial}{\partial 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186 (6)

$$\label{eq:basis} E(a_{21}) = \frac{1}{2} \frac{n_{22}}{n_{22}} \cdot \frac{2n_{21} n_{22} n_{21} n_{22} n_{22}}{n_{22}} = \frac{2n_{22} n_{22} n_{22} n_{22}}{n_{22}} = 0.$$

Madan – Agirimae orlogius e 02d til 9 romedish okk benidelara ji

Mand it; Note har showing me sint for more always g) regel from this induce is a

 $g_{\rm even} = M_{\rm schi} + Recise + 2 Model$

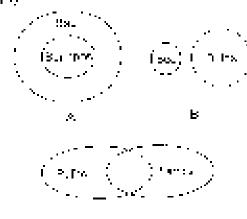
$$\Delta = \{ i = j_2 \}$$
 ...(i):

Francequation () and (i) $\bullet \in \mathbb{S}^m$

$$x = 2 \cdot f^{n-1}$$

Part of all wije Or

134, (4)



Social ere is no and the sign global concern James and beds (in, nother will be compl.)

105 (c)

$$\begin{aligned} & \varphi := \frac{1}{2} \operatorname{Re}(2^{n})^{2} \\ & \varphi^{n} := \frac{1}{3} \operatorname{Re}(-5^{n})^{2} \\ & \mapsto \frac{1}{2} \pi \otimes 2 \operatorname{Se}(2^{n})^{2} + 2^{n} \operatorname{Se}(2) \end{aligned}$$

Harina in prodess 100% inc.

$$\frac{12}{2} \frac{976}{2} \frac{6}{2} = 1000 \text{ m/s}.$$

18E. ici

$$p = (y_1 + y_2 + y_3) + y_4$$

$$\mathbf{E}_{\mathbf{k}} = \underbrace{\mathbf{x}_{\mathbf{k}}}_{\mathbf{k}} = \underbrace{\mathbf{x}_{\mathbf{k}}}$$

197 [51

Observe can see that a map $\phi(0)$ and $\phi(0)$ 3.0 300 auc

itis8. 75;

Amaz-----

- 199 (2)
 - esti sidi.

$$\begin{array}{lll} (2172)^2 &=& (2172)^3 & -(2173)^2 + (2172)^3 \\ (1)^{12} &=& (2777) & -(2172) & -(2172) \\ 1 & 1 & 2 & 7 & 4 & 4 & 4 & 4 \end{array}$$

10 (p)

Satisfy a specific $x \in \{x, y \in A | \text{energies} = \text{potable}$ charses.

If it is, the change of a decorption periods (419-60) т Вурушация обогон-

$$(1+1)(2+2)(3+3)(3+3)(3+3)(3+3)(4+3)$$

 $(1+1)(-8)(3+3)$

Systembry =
$$\frac{\text{randenedo}}{\text{later energy}} = \frac{\epsilon}{2\pi} = \frac{\epsilon}{9}$$

Эн (**Б**).

$$\Pr\left(\left(x - x_{i} \right) \right) = \frac{2 \left[\frac{16}{20} \right]}{\left[\frac{\pi}{2} \right]^{2}} = \frac{2 \left[\frac{\pi}{2} \right]^{2}}{\frac{\pi}{2}} = \pi \left[\frac{\pi^{2}}{2} \cdot \frac{\pi^{2}}{2} \cdot \frac{\pi^{2}}{2} \right] \cdot 1 \cdot 2$$

Спрык (уш. ў.

Leace taking (a) is accept.

- 192 (d)
 - $\hat{\mathcal{A}}$ is most above to find make the constant
 - (i) ib reprectas as ayeutern ann in tiple, er or ground Baby.
- 192 (d)

 \sim cycling space: - Cand wyki a incode i w

$$G\left(\frac{\pi}{2}\right) \cap V\left(\frac{\pi}{2}\right) = 0. \tag{1}$$

$$T'' \sim M + M_{\rm b}$$

- On Folding so (c) and (d) the per- $M \simeq 8 \text{ km} \text{ km}$
- 1914. [7]

All Swind information is given

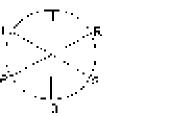
Evan Sear Tyan peneferati

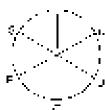
$$\Delta \approx \Phi \times \Theta \in \mathbb{C}$$
 and slap $(0, 1, 0)$

 $\delta(u, v, v, v')$ as pull but be oblig gripping between

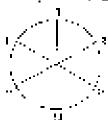
- K & Dior & K P is given
- $S^{\infty}(0)$ and $S^{\infty}(0)$ below:
- 19ե (ե<u>՝</u>

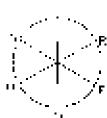
Hallish in two posts following a property





Civer in proston in \$10 a terp range that move diagram exilite drawn.





Now withy (c) only introves

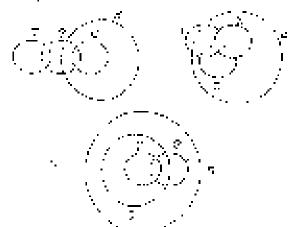
196. (d).

Del Pris noticens VII secondary con any Publisher our number of

$$\mathcal{O} \times \mathbb{R}^{n} \times \mathcal{F} \times \mathcal{F} \times \mathcal{F} = \{ H \times \mathcal{F} \} \times \{ ... d \}$$

- "According to given conditions."
- A POT DOMESTIC Emografica
- 187. (b)

:i



Vitig 6100 us entil) tet rese

183. (0)

TEG:

$$g(g,m,250) = \frac{10}{600} (362) = 1220$$

 $g_{\alpha\beta}(g)$ angle pulsarity, we also start will be - 144-.

189. (c)

Herein of the c_1 -gay required of $f=10+C_1=0$) . cony. For Carle protoquizable $\theta \approx 15 - 200 \pi$ g temperatur galagija. Telebih hadi Cali i watisi

- $50 \times 30 90 \text{ m}$
- p_{obs} the the remaining of repeat to p_{obs} (1) that
- Call in Theory (2800 464)
- g_{AB} space $x_{AB} g_{AB} = 10$ mass.

$$\frac{\mathcal{B}(G_0)}{\mathcal{A}_{0}(G_0)}$$
 mixture $G_0 = 0$ mixture

$$\label{eq:constraint} p_{\rm c} = \frac{3.4.03}{30} \pm 720\,(10\,{\rm mpc} - 0.09) \\ g_{\rm c} = g_{\rm c}(T_{\rm bol}, t, s + s + 0.00)\, g_{\rm c}(s, s, s) = 700\,, \quad c = -4$$

van elest

200. (c)

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201 (8).

Submours, audiening any inclave.

$$= {}^{3}(2^{-1}C_{2}+{}^{3})(1+3) + {}^{3}(4^{-1}+3)$$

(a figure, partial tankly of states samples. On $+\infty$

$$-2(\frac{1}{2}^{-1}C_1+2C_2+2C_3)$$

-313 + 3 + 6 + 6 + 20

subgroups in staining two crucks by differential

$$\mathrm{Chroups} = \left[\left(\zeta_k^{-1} (t_0, t_0), s_0 \right) \right] / \left(\zeta_0^{-1} - \zeta_0^{-1} \right)$$

Subgroupe north me meet the last prescrip-

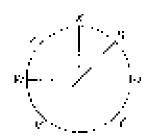
$$C_{\rm off-elocit} = \frac{a_{\rm elocity}^{-1.5} (1.13\, \rm Gyr)^{-1} C_{\rm tot} = 7$$

ball runn, et al. 5 byrospa

$$z \cdot 7 = 24 + 24 + 7 = 36$$

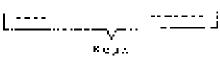
502, (4)

eg jayayng groppje i walant in tengan et 1,340 % URST



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- 205. (b)
- 204. (5)
- 20% Sfr
- 500G. (c).
- 207 fet
- 206. (b):
- 20e (n)
- 210. (a)



Essa pigi, can de tilefi i i 4 kg-8 kg ili il- 000. 9 ja ny almoed, so ozona Jest pieces est. Barriag of the State State of the New Mark

accepts to
$$\left(\frac{\sqrt{x^2}}{2\pi}\right)^{2}$$
 or $2\pi^2$

 $2^{\circ} \cdot 1 + (5)$

a si 450 - Har day kubu.

Other.

 $x = oxed{eta} = oxed{eta} + oxed{eta} + oxed{eta} + oxed{eta} + oxed{eta} + oxed{eta}$ (195) $a_{i,m,\Delta_{i+m,m}}(y) \sim C^{\alpha} \otimes (2\pi) + (\alpha_{i+m,m} + \alpha_{i+m}) \oplus g_{i+m}(y)$ $y = yx + y' + 2xx^2y + 4xt$ pulses, $x^{1/2}$. $(1 + y) = y y + y y^2 + y^2 + y^3 + y^4 + y^4 + y^4 + y^2 + y^2 + y^4$

n in op leta, to be

Form: $1 + 2 \pi s s s = 3 \pi$

212 (6)

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213. (c)

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214. (h):

$$\frac{(r+y)-r+y}{2} = 0.$$

Now the Ally Witters exercision (it, passings)

$$\underbrace{\{x_i,\,\,y_i\}}_{\mathcal{T}} := g_{i,j}^2 - \frac{g_{i,j}}{g_i}$$

 $\forall x \in \mathrm{Vir}(\mathbf{p}, \mathbf{p},
Note Figure 16

$$\frac{\mathbf{u} - \mathbf{v} \cdot (\mathbf{y} - \mathbf{y})}{2} = \frac{2\lambda}{n} + \mathbf{v} - \mathbf{u}(-\mathbf{r}) \cdot \mathbf{v} \cdot (\mathbf{v} \cdot \mathbf{y})$$

$A3 \times A >$

inordicia, se est anissor la deligio (g).

Accomate adjutions

Liad tesy value:

$$\sup_{j \in \mathcal{F}_{i,j}} \frac{1}{2} \frac{1 - \frac{2^{n-1}}{2^{n-1}} \frac{1}{2^{n-1}} \frac{1}{2^{n-1}} \frac{2^{n}}{2^{n-1}} rac{2^{n}}{2^{n-1}} \frac{2^{n}}{2^{n-1}} \frac{2^{n}}{2^{n-1}}$$

$$\frac{(2-6)^{1/4}-(-1)}{2} = \frac{2}{2} = -1$$

which is the only (x,y).

potedore control answer is applying

215. (3)

As fixed the 4 mass e/4 G M Sandan most $_{\rm ALS}$ for 8.99), any rectination mass ways have to be $_{\rm C} \approx 4.4 \pm 1.8$

Now, A $\alpha \to \alpha$ of all so Fort and S α wall define a which $\alpha \to \beta = 0 = 14$ when

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226. (a)

Distinct Reveiled by oping to green your

$$= \hat{N}(\theta) = 2\pi (\log r) + 2\pi (\log r) \qquad \qquad , \quad \{g\}$$

 \rightarrow 801 m of relative unusual again given possition (0.0) astrope.

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$$B = \sqrt{e^2 + m^2} = 3.0488$$
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complete revolutions:

$$\Delta \theta = 2k + 13 = 2k\pi i \qquad (3)$$

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$$\frac{d\omega}{24\pi} \sim 2\pi \cdot m \sin i\omega + \frac{i\omega}{2\pi} \cdot m \sin i\omega$$

285. (a)

Pisavo - 16 tok siljest u Carni

Characha — A rede 1449 di yeri), Carle

History - Other afters 1 Con-

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726. (c)

$$437 - 256$$

$$111.5 + 85.6$$

$$\mathbb{N} n \to \mathbb{C} K$$

$$8p \rightarrow 10K$$

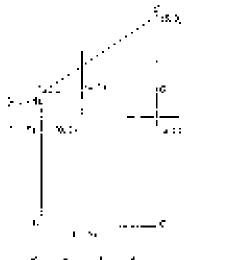
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De weenege for half another most infli

287. (9)

to following that pake give exists:

228. (3)



ма амаг Анагоневият сиббы - Area is SAPE

$$(1.4 \pm 0.1) / (9.85) = 30$$

7(31) (3.1)

We can see proprietly of releasi

232. (C)

- P Hunkst
- P Administra
- Dip Glauch nething ver-
- Property as Co.
- Controper MR

bow two possiblencia po-

$$\mathbb{C}^{p,p-1} \longrightarrow \mathbb{R}^{p+p-1} \mathbb{R}^{p}$$

my and softly must herr expectance coorgi-Starried.

2 Total Objection records

lton danierb breipei edaka.

for this one carresists in which contacted sort s looking Nillemedad.

227. (8)

$$\lambda \to D \oplus B \otimes k S$$

o o hacitura.

$$p_{i,j+1}(g) = \left(\frac{1}{2}(a_{i,j}^{-1})^{j}\right)S$$

$$\lambda_{A}+\delta y-\frac{\delta \lambda}{\delta}+\delta \delta y$$

$$= f(f(x-2p)) \text{ or } p = 2\pi f(x)$$

Notice there are a one work and it cares.

$$z \times \phi \circ (z + y) ?$$

$$1 \times 2 = 11 + 2.75468$$

$$\mathbf{d} = A_1 \otimes A_2 \otimes A_3 \otimes A_4$$

$$\phi = 0.0$$
 clays

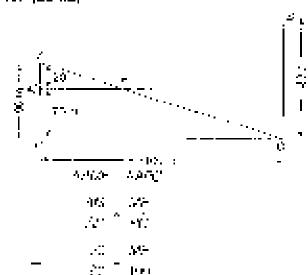
Deaker inicond to disting the

288 [7]

$$\Delta \Sigma_{ij} = 0.020 \pm 2.00$$
 (1)

$$47.18 (5) \pm 300$$

240. (22.82)



-- 59 PM

241 (d)

Using theory (4) or a price and be one-si-56 (1916-562 - 25 to Albert 5 statistics) a za be

$$\left. \frac{(2\pi + e + 3)}{(2\pi + 6 + 3)} \right\} \approx 2\pi e = 2\pi \cdot \text{minute} \, \rho$$

up) and the recipite

Let us Muerolea alongo da contro (g) which in

 $\Delta \sigma$ for the grant 7 and 3 are strong σ = 3σ Wat her of covailour?∠ exertiog:

Алаграйс мардеф.

Hence
$$\frac{1}{2} \frac{1}{2} \frac{1}{24} = \frac{1}{4}$$
.

$$N(MS) = 10 \text{ fan} - 13 - 3 \text{ He/m}_{\odot}$$

Proving a linguistic

$$T\#(X=1)$$

$$20.196^{11}=197$$

242.161

Sitt of series will be

$$\left(+ \frac{1}{2} \right) + \left(\frac{1}{2} - \frac{1}{4} \right) \cdot \left(\frac{1}{2} - \frac{1}{2} \right)$$

$$\left(\frac{1}{29} + \frac{1}{100}\right) + \left(\frac{1}{29} + \frac{1}{20}\right) + \left(\frac{1}{100} + \frac{1}{10}\right)_{10}$$

All isomers of twick out up, which is early

$$\left[3 + \frac{2}{7}\right] = \left[\frac{3}{54 - 52}\right]$$

243 (p)

$$12.25 \times 10^{-100} - 100$$

$$x = \frac{106}{66 \text{ s}}$$

So as to
$$\frac{12.9}{20.8}$$
 and

i ida (in)

245 (2)

$$S = N_0 \log 2 + 0.00 + 0.000 \log k \cdot 0.00$$

$$C_0 = N(0) 1 + 0.00$$

$$C_0 = k(0) 1 + 0.00$$

 $b_0 + c_0 + c_0 = a_0 \lambda + c_0 + c_0 + c_0$

246 (b)

- aud value sportwerfy.
- Only Exist Indian Stay 2 On setting x = -8 yrd (promotion x_1) y = 0 only y = -1 , y = y.
- (c + c) y = 1 and (c + c) y = 0.
- Let y = 1 in $\mathbb{C}^2 \otimes \mathbb{R}^2 \times \mathbb{C}_{k \times k \otimes k \otimes k}$, $\mathbb{C}_{k \times k \otimes k \otimes k}$ ii, jii ana det ara my,

247. (a)

$$500 + \frac{0!}{6! \sqrt{3}} = \frac{! \times 8 \times 7}{6} = 94$$

-743 (c.)

As a 10, 400 ft horothems, so in tipe a zing $_{\rm M}$ $_{\rm M}$ $_{\rm M}$ $\log |G| + \log |G| \leq \log |G| + |G|$

$$-3.3$$
 ($z = 0.2 \times 10^{-6}$ erg $^{-6}$

$$2 \qquad \qquad 8 \times 2! \times 6 =$$

Which can be used the or simple values.

Here
$$a = b = b = 1$$
 if $b = b$

Affen ale Methodic

Chart n

$$136 \, \text{N} + 63 \, \text{o} + 1 \, \text{o} \, \text{p} = 3$$

As $x + k \cos(\alpha x) = 0$ to $x + \cos(\alpha x) \cos(\alpha x)$ be as to not by Light.

$$\log 4 + \log 4 + \log 4 + \epsilon$$

 $(\phi, \varphi(0)) : \phi = \phi = \phi$ folds $\phi \in \operatorname{solithing}$

243, (b)

$$\mathfrak{S}_{C_1} = \frac{(C + D)_{T_1}}{2} \frac{1$$

Fig. (a.t.,
$$a \circ t = (a \circ b)$$
)
 $a \circ t \circ (a \circ t) = (a \circ b)$
 $a \circ t \circ (a \circ t) = (a \circ b)$
 $a \circ t \circ (a \circ b) = (a \circ b)$

250. (3)

Label 4.8. For detailer of 7 cm s.
$$2.60 + 6.00 \to 3 = 100$$
, the size $-2.66 \to 100$ curation of 8 cm s. $-2.666 \to 100 = 1000$.

251. (b)

$$A = 9 \text{ at } r + 3 \qquad \qquad \text{and} r$$

$$\Omega = D + 2 + 3$$

$$F = 6 - G \le 3 \tag{3.3}$$

$$C + R - 6 + 13 \tag{5}$$

A3d) a 160 + 66 + 610 = 641

$$A + B + C + B + C + C + G + B + e + (Y + E + G) = 12 \times 4 + (2 \times E + G) = 13 \times 4 + (2 \times E + G)$$

A \$\(\text{A} \text{ B} \text{ C} \text{ B} \text{ C} \text{ B} \text{ C} \text{ F} \text{ C} \text{ Comparisons for a function of the \$\(\text{C} \).

There exist out the given by $\frac{\partial (\partial + 0)}{\partial t} = 4\omega$.

C &
$$Z$$
 conject dimer $\frac{(p,d)!}{(p,d)!}$ (48)

The probability on this
$$x \in \mathbb{R}^n$$
 is a function of $x \in \mathbb{R}^n$ by some finite $x \in \mathbb{R}^n$ where $x \in \mathbb{R}^n$

Quilliant leg. (without a consisting territarial e

2672 (11)

Compaigned = 200 g/m

$$50\%$$
 of repfall = $1000\times\frac{100}{100} \times 100$ unto

to Wilder distinct in tank =
$$350 \times 10^{11} \times 10^{10}$$
 c = -30017

266 (山)。

$$\cos \theta = 10(x - 1)$$

$$\cos \theta = \sin(x - x)$$

$$\log \theta = \cos x - y$$

$$\sin \theta = \cos x - y$$

$$\log 7 \sim 1000 \times \log 7 \sim 5$$

 $\cos 1796 = \log 1$
 $-796 \sim 1$

luca. (ch

8 Am of 11 second 21 Viol. 13 ¹ July = 101 libraria

$$\frac{(98-60)}{60}$$
 [mosphisms stabel = 24 constability constability]

$$\left(24 + \frac{10^{3}}{120^{3}} \cdot \text{nour} \cdot p^{2}\right)$$

- 64 South of correct states

It moving of
$$10^\circ = \frac{n_{\rm pl}}{87^\circ}$$
 packs of connecting the

 $100 \log_{10} 6 \log 1 \frac{88}{20} \times 100 \log 1$ and the objects

± 931 buls + 0 35978 + β0 m to 44

at airmed a new

$$1.68 \text{ so m} = 57.69 \text{ minutes}$$

 \pm 888 (i.g. $_{
m B}$ and suppress 58 matrix)

So, ponect tibe will be

 Mt. 1⁴⁹ july in (39 hours) and 58 minutes; . 12 | 58 isalah 195 Jula

255. (c).

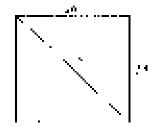
258. (c)

Number is divided by Albertoy 20 to 10 or by

9 2 CARSE 42 60 Compared d'Sugner PUBLATE AND DESIGNATION

or minumers we builded, it also Mo. C.

 $\Omega(m_{\rm c}, m_{\rm c})$



តិយាល់សម្ពស់ស្រក <u>។</u>

Sign one side of square unger

Disposability contains $\int \overline{\mathcal{G}_{1}} \, dx = \int \mathcal{G}_{2}$

 6 Paulot containing $_{3}$ $_{2}$

$$= d \left(\frac{\sqrt{2}\sigma^{2}}{\sqrt{2}} \right)^{2}$$
$$= d \left(\frac{\sqrt{2}\sigma^{2}}{\sqrt{2}} \right)$$
$$= d \left(\frac{\sqrt{2}\sigma^{2}}{\sqrt{2}} \right)$$
$$= d \left(\frac{\sqrt{2}\sigma^{2}}{\sqrt{2}} \right)$$

255 (c)

$$p^{-1} = \frac{\pi}{2} - 2^{-p} = \frac{1}{p} \cdot r + \epsilon_0 \frac{1}{p}$$

$$r = 1 \cdot p - \pi, \quad p = 1$$

$$\theta^{-1} = \frac{1}{p} - \epsilon_0 \cdot r + \frac{1}{p}, \quad r^{-1} = \frac{1}{p}$$

$$\pi = \frac{1}{p} = \frac{1}{p} - \frac{\pi}{p} \cdot r \cdot \frac{1}{p} = \frac{1}{p}$$

भी हो। दिलाहर _{एस}

$$\frac{1}{p} = \frac{1}{p} - \frac{1}{e}$$

So.

Alicentia Suluciani

$$F^{*} = G$$

$$gx = x$$

$$x = y$$

$$x \log x = \log y$$

$$y \log x + \log x$$

$$x \log x = \log x$$

$$y = \frac{\log y}{\log x}$$

$$x = \frac{\sqrt{x}}{\log x}$$

$$x = \frac{\sqrt{x}}{\log x}$$

$$x = \frac{\sqrt{x}}{\log x}$$

$$x = \sqrt{x} = 1$$

70. (b)

$$\begin{aligned} W_{\rm c}(x) &\approx \text{namely} = 10.0 \\ W_{\rm c}(x) &\approx \text{oney} = \frac{\partial}{\partial x} \log r_0 (4 \frac{\partial}{\partial x} R + 1).00 \end{aligned}$$

$$= \frac{8000}{9} M - \frac{8000}{9}$$
$$= \frac{9000}{9} (M/F)$$

1000 Equilion ()

$$P^{(r)} = \exp e^{-\frac{G(r)(r)}{2q}} (3.15) + 2 (100,005)$$

200. (a):

$$\frac{\mathbf{E}}{\mathbf{F}} = \frac{10}{3} = -\frac{10}{3} = -\frac{1}{3} = \frac{1}{3} SKI. (o)

Hour green, leading that

$$400 = \frac{8}{3} = \frac{2}{3}$$
$$400 = \frac{3}{3} = \frac{2}{3}$$

Cation (1)
$$\delta(2 - 3)$$
, $\delta Q_{g} \left(\frac{2}{3} \right)^{2} \left(\frac{1}{3} \right)^{3} = \frac{25 \times 2^{3}}{(3)^{3}} = \frac{25 \times 2^{3}}{(3)^{3}}$

$$\begin{aligned} G_{1} &= -7(1 - f) = \left[G_{1} \sqrt{\frac{2}{5}} \right]^{4} \times \left(\frac{1}{5}\right)^{3} \\ &= \frac{35 \times 2^{4}}{(3)^{2}} = \frac{35 \times 2^{4}}{(5)^{2}} \end{aligned}$$

(3),
$$P(0 = \epsilon_0) = {}^{-1}Q_0 \cdot \epsilon_0 \left(\frac{2}{3}\right)^{\frac{1}{2}} \times \left(\frac{\epsilon_0^2}{3}\right)^{\frac{1}{2}}$$
$$= \frac{20 \times 5^2}{(3)^2} = \frac{42 \times 5^2}{(3)^2}$$

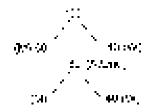
$$\begin{aligned} z_{(1)} &= z_{(2)} - z_{0} = \overline{z_{0}} \times \left(\frac{2}{3}\right)^{2} \times \left(\frac{z_{0}}{z_{0}}\right) \\ &= \frac{z_{0} z_{0}^{2}}{\left(3\right)^{2}} = \frac{23 \times 2}{\left(3\right)^{2}}. \end{aligned}$$

Contents in randingue value.

You had green topic and type (40 Janes)

90%. (b)

certains in a chaird people are 194



So the relatives 20 - 40 = 60

Katio of mode to fed ale

239. (c)

, and regards the Delta \rightarrow , it also gross on with the primary γ

$\leq 10^{\circ} \left(\{0:1:0:0:0:0:0:0\right) = \frac{10^{\circ}}{2}$

he formula for highlighter sum or notice Fig.

$$\frac{1}{1 - \frac{1}{2}} = \frac{1}{324} + \frac{2}{3}$$



วราการทร์ เป็นที่เกิด มีทรงการ์สากาศ

$$\frac{\partial \sigma}{\partial x} = \frac{\partial \sigma}{\partial x}$$

$$\frac{\partial \sigma}{\partial x} = \frac{\partial}{\partial x}$$

$$\frac{\partial \sigma}{\partial x} = 0$$

$$\frac{\partial \sigma}{\partial x} = 0$$

$$\frac{\partial \sigma}{\partial x} = 0$$

$$\frac{\partial \sigma}{\partial x} = 0$$

$$\frac{\partial \sigma}{\partial x} = 0$$

$$\frac{\partial \sigma}{\partial x} = 0$$

265. (5)

21 - 74:5

We know that proceeds by the work of surpolar larger specification of as the configuration.

So, the less number a \rightarrow -solution and slowly by X on, 54, 25, 30 per.

$$50, \quad 12 + 2 = 26$$

 $50, \quad 12 + 36$

 $N_{\rm A,S}$ and $N_{\rm A,S}$ is a negligible conclusive and in the second constant $N_{\rm A,S}$

288 (3)

Alcoholder und Ottolare die ji-

William Research State of the

A by 1 combins Dapaer for 7r

As masses of Aliny Almonton according of places States

Girld Coppe
$$\begin{aligned} & \text{Girld} & \text{Coppe} \\ & \text{i.e. Alog} & \text{A.s.} & \text{So} & + \text{Garaness} \\ & \text{Alog} & \text{Ca} & \text{Fe} & \text{or General} \end{aligned}$$

... Patro of whole to Commonly,

Specialization (1) Galactic day 2. Gaptas translation (1) Gaptas translation (2)

25% (b):

$$A = \left[\frac{1}{2} \left(-\frac{1}{100} \right)^2 \right]$$

$$10.00000 = \left[\frac{1}{2} \left(-\frac{1}{100} \right)^2 \right]$$

$$\operatorname{parameter}\{\left(\frac{2}{10}\right)^{n}$$

$$0.00000 = p^2 \left(\frac{15}{10} \right)$$

288. (c)

Lating acceptate outsing the model of the late. Design and the second of the second outside of the second outside of the second outside outsid

William in control 60% of sines in it entirying the an enter to also bases den 60d beneath

$$(2998) p^{2} \cdot b_{2} \Rightarrow \frac{29}{100} \times 16 - 12$$

Without a frequency 50.5 to 9.54

При Грум врегова време пасуват је досто

$$(2034 \pm 1.55) \rightarrow \frac{20}{100} \pm 0.5 \pm 1.7$$

With easilidan fibra |2-17| = 23 states in relati

Probability =
$$\frac{\text{Torqued}}{\text{tris}} = \frac{10}{(1.8)} + \frac{12}{(1.4)} + \frac{12}{(2.4)}$$

= $4 - 89 \times 116$

208. (ii)

(a) is bound the sales of given of a with application and sales of given of a same arms arms are used to be sales of the coupled arms the object of the coupled of the coupled gravitation of the coupled gravitation of the coupled that sales are previous or the sales.

270. july

Supermontally acceptance on the supermontal supermonta

Dialomosi (III) 4880 inari bilibilis III el (80.8) Inconoces i una argument

The 21 is stated of the argument or the this appropriate has filled block with the same one does not indicate heat expendences against the approximate acceptant.

Claiment (i) The rounded agrassement of the 2007 Righests and in and a sometime contain. Risk washing as an if these depringments you grig becomes a temperation and one issue becomes a person

Since the Charles has explained containing a θ of all 4. Then only is explain.

$$E = 1 = \frac{(4+3)}{2-3} \text{ a.s.}$$

$$E = 3 \approx \frac{(6+2)^2}{6-3} = \frac{(6)}{3} = 30 \qquad \text{Heggers}$$

$$E \approx 28 = \frac{(26+2)^2}{56-3} = \frac{(60)}{25} = 35$$

So, color (a) is 1, 3, 2e

$$P(t) = 0$$

$$0 = \frac{1}{2}(t) = 0$$

$$0 = \frac{1}{2}(t) = 0$$

$$1(t) = 0$$

$$1(t) = 0$$

$$1(t) = 0$$

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$$1(t) = 0$$

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$$1(t) = 0$$

$$1(t) = 0$$

$$1(t) = 0$$

$$1(t) = 0$$

$$1(t) = 0$$

$$F(x, a) = (x + b)^{2}$$

$$F(x, a) = (x + b)^{2}$$

$$F(x, b) = (a + b)$$

$$F((0, b), a(1, b)) \cdot F((1 + b)^{2} + a(1)^{2}$$

$$= (a(a + b))$$

$$= (b(a + b))$$

$$= (b(a + b))$$

$$\begin{bmatrix} \frac{1}{2} & \frac{3}{4} & \frac{1}{4} \\ \frac{1}{2} & \frac{1}{4} \end{bmatrix} = \begin{bmatrix} \frac{1}{2} & \frac{1}{4} \\ \frac{1}{2} & \frac{1}{4} \end{bmatrix}$$

276 761

Numbered part the sweetest thin 0 years, (a_1,b_2) beach on equal parts and 6 year copy of the equal part the dense in (a_1,a_2,a_3) or (a_2,a_3)

At area of the 84 (\$1) unlevel land \$18 are good can not of \$10,50 in let whys.

For the Purpose of wave with the PG $< p_{\rm S}^2 > p_{\rm S}^2$ with = 200000 waves

273, (3)

Assume Functional pareles = quo Cost of mather Successor = %. Preside, = (%. 10)

Number of matrice 1, 50, 100

$$=\frac{100}{100} \approx i O_{\rm s} \approx i O_{\rm s} \log \log \log \delta$$

thus
$$(40 - x) + (25 - x) + (30 - x) + (47 - y) = 60$$
.
 $400 \Rightarrow x = x/20$.

a raudicia bias in recor⇔ (b) (1)

$$a\frac{(40'-9)}{90}$$
 (1.0 = 3.5) $\frac{9}{2} = (3.788)$

577 - (6)

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 - consumer in piecessocial
- tin Stand Burgwes in Ayronnicts.
 - ie sowogł a torsona kię.
 - ...Э. құмас (с. со торар.
- a) and Simples in PROSP
 - 🖟 beach in terrograficie
 - Thomas India

278. 100

7 Pays one, is with the there is 12 sector is β -mong β is $\alpha = 10$ sector than β and α is β -more than α is:

30 day ako bases areo

Att Galber (T

$$GOC \rightarrow \left\{\frac{2}{5} \times \frac{1}{15} \times \frac{5}{15}\right\}$$

$$GOC \rightarrow \left\{\frac{2}{5} \times \frac{1}{15} \times \frac{5}{15}\right\} \rightarrow \left\{\frac{2}{5} \times \frac{5}{15} \times \frac{5}{15}\right\}$$

$$GOC \rightarrow \left\{\frac{2}{5} \times \frac{1}{15} \times \frac{5}{15}\right\}$$

Showing parts:
$$\left(\frac{8}{10}\int_{0}^{2} + 32\frac{9}{10}\right)^{2} \times \left(\frac{7}{10}\right)$$

: $\frac{390}{1798} = \frac{398}{964}$
: $0.078 \cdot 674 \cdot 0.376$

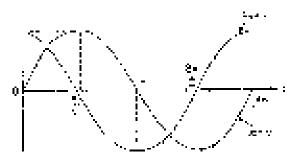
A)jen gran (Honta) d

there are vitial disco

Tracção da question a caling Discussios ara Aran etrandom

The part of a possible was to decrease it.

478 - (p)



Trendworker (setting through a decembed

nse decreesing in the laterest $\begin{pmatrix} A & B \\ Z^{*} & B \end{pmatrix}$.

200. (6)

- a) chappy we call $z = 8 \times 10 \times 3 = 880 \text{ cm}^2$
- (g) 0.16 s -2.0 ma -8.0 \times 3 -512 Ω $^{-2}$
- (1) Cympa, varyng = m/M.

$$\sim \frac{22}{27} \times 7 \times 7 \times \ell = 1079 \; \mathrm{cm}^2 \; \; . \label{eq:tau_sigma}$$

(v) (grave votar le

$$\frac{1}{\sqrt{2}}\pi x^2 = \frac{4}{3}\pi x^2 (7)^3 - 486.76 \text{ m}^{-2}$$

Hance, the encounting is denoted by the factor of the Section of the contract of the section of

281. (a)

eregios og Laterer frænsk $k \in \mathbb{R}^n$

Periodic $\sim 88 \times 3 \times 3 = 6$

265 (a)

look gissage \Rightarrow x(C) was (in they) $S_{y} = 0.0$ seen (Botto paney) $S_{y} = 95$ show

Assumpting agreed $=\frac{T_{\text{quain}} d_{\text{quain}} e_{\text{quain}}}{T_{\text{quain}} d_{\text{quain}}}$

$$= \frac{\lambda}{50} \cdot \frac{\lambda}{90} = \sqrt{\frac{2\pi}{250 \times 2}}$$
$$= \frac{2 \times 90 \times 2}{5} = 625\pi/6$$

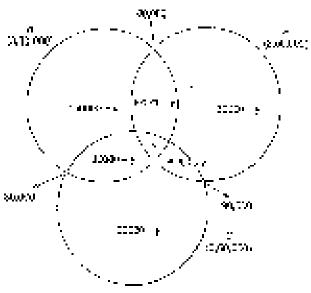
$$\begin{aligned} & e^2 \times x = 1 \\ & v(x = 1) \times 1 \\ & \times x = \frac{1}{x} \\ & \left(x = \frac{1}{x} \right) \times (-1) \end{aligned}$$

Sequine abovegg than

$$\frac{2^{n} \left(\frac{1}{2^{n+1}} + 1\right)^{n}}{x^{n} - \frac{1}{2^{n}} + 2^{n}}$$

equating action activities (

298 (6)



$$6.00,000 + 5.70,000 - 000 \\ 6 - 80000$$

- 200000 4 4 x 20000

Gusta sing after a country weil a 420000

2F(), (p)

i talimbarat parate nga m

$$= {}^{1}C_{2} \times Q$$

= 0 × 10 = 80

287 151

readingle initial brights along brooms (C. III lie (90) opt by 10 mam they, reed, and by 5 margaph brookles, square.

$$\begin{array}{cccc} G_{1} & i=10 & 5 \times 5 \\ & i=6 & \\ G_{2} & i=6 & \\ G_{3} & i=6 & \\ G_{3} & i=6 & \\ G_{4} & i=6 & \\ G_{4} & i=6 & \\ G_{5} & i=6 & \\ G_{$$

2 d so cities.

$$\begin{aligned} & f = f(x) \, \{ y = (y) = x, \quad f_{y}(y) \\ & f(y) = f(y) = \{ y = x, \quad f_{y}(y) \\ & f(y) = f(y) = \{ y = y, \quad f_{y}(y) \\ & f(y) = f(y) = f(y) \\ & f(y) = f(y) = f(y) \\ & f(y) = f(y) = f(y) \\ & f(y) = f(y) = f(y) \\ & f(y) = f(y) = f(y) \\ & f(y) = f(y) = f(y) \end{aligned}$$

for the factor $(x_1, x_2, y_3) \in \mathbb{R}^3$, $(x_1, y_2) \in \mathbb{R}^3$, $(x_1, y_2) \in \mathbb{R}^3$

236 :Ы

let tec digit notes typi

Transfero the trimb \rightarrow & 72,

288. (L)

$$7 \text{ model} = -7 \text{ means this model}$$

 $\text{model} = -3 \text{ max}$, $t = \text{model}$

because one than Line takes a solution for module, $\epsilon_{\rm Q}$, $\epsilon_{\rm Q}$

74, 100 result tipe of tipe / within a jet making that regul

290 (c)

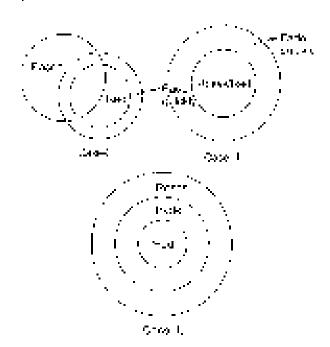
Green alene blussen gan ale alöhis ode wit espiris ode

With paragonal additions and in unage a safe उठ, ए अन्तर्भ शहरी । । कर्ल क व्यक्ति

Little for a code of the first even Book, be but knot so for aré at he term a music

Sight & allowed Listerers.

231, (c)



290 th

Yalang sawiga apasasi

$$\mathbf{A}_{i}^{\mathbf{a}} = \mathbf{a}_{i}^{\mathbf{a}} = \mathbf{b}_{i}^{\mathbf{a}} + \mathbf{b}_{i}^{\mathbf{a}} = \mathbf{b}_{i}^{\mathbf{a}} + \mathbf{b}_{i}^{\mathbf{a}} = \mathbf{b}_{i}^{\mathbf{a}}$$

$$y = 2 - 2 = 0$$
 . For an eith:

$$(x) \qquad \quad y = (x|x) - 1$$

(a)
$$y = 1 x | y = 1$$

$$-\mathrm{colling}_{\mathrm{G}}(z) = 0$$

y = No. setter of

$$v = \left[\left[\left[\left[-1 \right] \right] - \right] \right]$$

293. (8.)

Kyrs a light of
$$c = 0$$

possible onto

$$\Psi^{\pm}[A]$$
 is seen of straining equation 1.

Or, α_i is a mass to α_i . The Educated weight Hours of interness is a large to the congestive

30.00 in 30.09 ± 30

Fremakiyan babe a three will be oblive 55, 104250 19 9404 = -5.

284. (bj.

Manigacon - Birtani

States, of the also map $= 4.4 \times 10^{14}$

$$a_1 = 14 \text{ san}$$

Sectional to the entire elected

135gm 1 04k . 35 x 5 m ∴ 175 m

unger of wells in = length of lines , $\{x \in \mathcal{Y}_{n}\}$.

$$1-4\sqrt{2}\sqrt{2}:=1/(\sqrt{2}+\sqrt{2})/2$$

cognition observes $-2.26 \pm 3.26 \pm 9.00$ m.

295. (b):

50, TOH, LIVEOUR WAY

208. (c)

$$\frac{1}{160} = \frac{1}{2} \frac{1}{160} = \frac{10}{2} \frac{1}{160} = \frac{1}{2} \frac{1$$

 \hat{A} (see this section $\mathbf{a} = \mathbf{a}^{T}$

A set
$$x_i$$
 is $x_i = \frac{\sqrt{3}}{4}x_i + \frac{\sqrt{3}}{2}x_i + \frac{\sqrt{3}}$

$$=\frac{(\sqrt{3}\sqrt{2})^2}{2\pi}$$

$$\frac{\pi}{2} > \frac{g^2}{2\pi} > \frac{\sqrt{3}\pi^2}{2\pi}$$

So where has the organization

$$\frac{1}{1 + \log_2 2\pi} = \frac{1}{1 + \log_2 2\pi} \cdot \frac{1}{1 + \log_2 2\pi} \cdot \frac{1}{1 + \log_2 2\pi}$$

$$= \frac{1}{1 + \log_2 2\pi} \cdot \frac{1}{1 +$$

$$= \frac{1}{2 \pi i \sqrt{2 \pi i \pi r}} \cdot \frac{1}{10 \sqrt{2 \pi i \pi r}} \cdot \frac{1}{10 \sqrt{2 \pi i \pi r}}$$

with
$$g_{\mu\nu} \approx 0.9$$
 (e.g., with $\log_{100} M_{\odot} \approx 0.01$

206 (b).

er tensor og svori de nig legt piebbed y sj

Dut at 8 i tossible Geres on that is not 1 bijling. taky are motory placed day of comparison

259. (1)

$$(48)^2$$
, two $6 = 6.53\% - 125 \times 7 = 68$

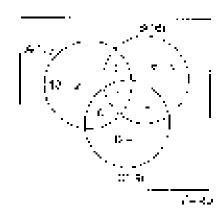
100001 Basel Pro-

 $19 \times 7 \times 8 = 10000$

~ . 101 03

Addalled model resulted

849 (3)



Total student + 40.

$$3 - r = 1.5 = -1.7_{3} - \chi - \chi = 0.1$$

Sugerical variables, of three misself-

501. (::)

$$-29991 \pm 3939 \, 4^{15}$$

$$z = 44 \text{ m}$$

Let $M \otimes M = 1_{M}$

howara Indiana ni

certail length in $1 \times 47 \times 47 \times 47$

Programme to the contract of t

$$SU_{ij} = \{ \mathbf{u} \in \mathcal{U} \mid \mathcal{U} \}$$

$$c = \mathbb{K}_{L} \setminus c$$

After $m \approx \epsilon \sin \phi = 0.01 \times 1.000 \text{ fm}$

Potentianell with the time at the

A solution
$$c = \frac{\pi}{2} \cdot G^2 = \frac{\pi}{2} \times B^2$$

= 150.54 mg

1764 Heaster closurd.

n Afrik i Jaguary i zron moji jiy

- 1080 - **153** 94

 $= 1242.97 \cdot \cdot \cdot 1242.40$

202, (5)

De condition 1, L.

Fuscible noncore an ightarrow 51, 64, 5.1

Hassing of residue with as an age of the 53

By a golien J. -

For this transfer such that (20,70,70,70,70)

 $\Rightarrow M$ is a clibble of A B costs we delete the tan 50 59 College for the spaces.

 \Rightarrow 50 is multiply of x and x 502. Figure 150 n Gliún di 4. So and grang to coccha renigh, gr COSETY OF \$ 19 By Bayer.

o zona se @ satisti jeni di poma gojenici, on 3.3.34 seticied, Someonatice propriatives: ⇒ FA178 All three conditions on satisfied (co. it is die answerd.

Solved Questions: Marketal Authors

- Tipesh introdipates good beinghabigh after styler and ideals was lead for more care so tar ying Gibi ara Sipeksenge Si respectively 🖹 jeggjan lyer græn falande felder dats is equal av di prijelje i sijema je oraz oraz i kum tomati. Si u jednostili egine-ariation să
 - 14.1 E.S.
- $(v^*, 50)$
- (4) 51
- (0.05)
- [:::::E Fr:=2017 | P Ma kt].
- The property ages AS profession in the encounter. $(s_{ij} + ij) / s_{ij}^2 > 10 / c_{20} \times 100$ such that the surply to Lot. We what applies a reason of
 - (g) 12 | Signo 30 | 1
- (B) 15 20 4 (127)
- (g) <u>2</u>1, 28 4 no 25 ii
- 5ft 04 12 3m, 10
- HXE Pro 2017 : 2 Marks*
- A lath or 054 rows our pissing at 6,90 and 5,00. 3. gammamonium wis see (1.6, 249). Ind rigine⊋rimik e0 notes isl
 - Bot 223
- g.:() 144
- 前 "进
- 750 HBA
- (FB+ -to 2017 12 Marks)
- The Mender party bailding in 2016/98,8770, nonego patel the same toroing in 25 days one 10 Boys as a patrological days. If a reen this angging Wigher and 6 Boyth rowning wishted Hi ra per titlo buldingti
 - (c) 12 6698 i
- ug, 13 beys
- 50 00000
- (4) 15 39%
- [ESE Fre-2017 2 Marks]
- $\mu_{A,B} \approx p_{A,B} + p_{B,B} + p_{B,B} \approx 128$ with solarly on local 120% of lantan mig. 1968 bir ar tərbətisi olam 400 ildə bir oproperation in the new notes, the industrial for g 2,000, then his mornty to any is:
 - (有) 最 (c.)(10)
- th; taken.
- 化二氢 的复数语言
- (司) 图 10,000
- [ESH Brb. 2017 : 2 Mark2].
- all travel of working eavisition to the bind work in 3. ing d_{B/B_0} by the expression course and d_{B/B_0} with d_{B/B_0}

- place togging lightly in 13 en inn control 135 buys. nain mach at Nichbors greger, in the team migrally is:
- hat 43
- 13:43
- n (* 795)
- (iii (i.) [E8F Pro-90127 : 2 Marks].
- The game of your last of wastestive induce with the us assignment vol. All Lei
 - S 110F
- ari 1 .74
- 50026
- 32 THE R.
- [ESE Pre-2014 12 Ma体标]
- Cited Cief OP It and control the equation 0.1 ± 0.30 for 6.8×10 May -0.1 He plane have archic oquotion will be
 - Milliona ile
- ក្សាជ្ឈមានជ
- joj 4.2 satu .4 👚
- Table 1 Hear J. 7.4.
- [H6F Pro (9016): 2 Marks].
- -through the $(a_0^2-2a_1^2)/3\lambda + 50 \dots 0$ is tradition. and make (Supermont of Supermoter Wild Si I vilega pictici. Il is equalenti
 - .:: <u>-</u>
- [=] T.J.
- B [13
- 70S0 Ye-7018 | 2 Marks|-
- (ii) Outly $A \in A$ (iii) in a notice simply $a \in A$ ent amater Carth Chicago via contratto a such (g_{ij}, ω_{RG}) . Althouse, into property by, $(A, a) \in$ Δ pagama, $X \partial [\omega, w]$ by the rolls of the rick ϕ^{2} r for R is au_{r} to L_{r} and R . Correspond to the au au auالأناجير فيتروز والتراوز والتراوز
 - a, score are restrict u875 and 186

 - Quig. 3425 4 3 2 24 (cd) 44 (d. and 2 2 1)
 - [ESE Frage 38: 2 Marks).
- $\mu = 17 \pm 12 \, \mathrm{Gig/ks}$ on the rank of a block big to be man sensed engiophy by a Leuters of Tright. $\eta_{ij}\mu_{ij}$ (exclass where on g_{ij} . The other is easy l+0
 - go dijegaje jijm šetarunion diusta ala e. one contribute $u_i(d(i)) v^i(g)$ are necessitally sectors

r sook to libe preferencement silger, which sooks bor weed in income Enwayery linear wallung there must be JP

(4) 3

ibi .

2:1:

(a) C

[CSE 9th/2013 . g Marks]

- 12. In a constitution less that marks sooned by $A = A \cap A = A$, $B \cap A = A \cap$
 - Make all then twist knot 2 add to 105.
 - Manager terms by Claud Plants up to those social light #;
 - r = 7 sources 4 fracts on ϵq .
 - and sported 10 higher eds from 70.

the marks obtained by a resulting

 $(a, \ \mathcal{D})$

gre 15

ác) 12.

(F3E Pro-2019 ; 2 Marks)

13 Value is the more of the junction (by) for the price of const.

18)
$$x^2 + 2x + 3$$

$$(b) x^2 = 2y + 2y$$

$$\{C_i^*, C_i^* = C_i^* = \mathbb{R}\}$$

$$100 \ v^* - 2 \kappa - 3$$

- 14. What is the maximity value of $\nu=1$, z=1 to $\nu=3$ subject to the check sings
 - $d_{n} = v \leq 10, \ \forall v \in \mathcal{S}_{p} \leq 66, \ v \geq 6, \ \forall x \in \Omega.$
 - (4) 63°
- 11.13
- $(\underline{0},\underline{0},\underline{1},\underline{1})$
- 610.46

TLSE Pro-2016 II 2 Marks1

95. Its first in the equation of success to the general control of the product of the first of the product of the first of the control of the first of the success for the product of the first of the

will a is note that the BN

128 136 - 15 (L) (10)

93 (4) -71 100. 100. 100.

IASE Pro 2016 | 2 M5 (kg)

- A reall, two support there is not specified by a constant of the length of the degrate in Parallel Street
 - is no exercise the v_{∞} [?]

is ziani

 $\{i\}$ and \mathbf{n}^i

11: 570 mil

Pa. 606 q /

[HSF Fre-2015 : 2 Marks]

Professional enterpolated areas, in surger content of Specific Professional enterpolation in the Content of the



100 100

(0) 200

::: **20**0-

(a) (20)-

[FBE Pre-2018 18 Morks]

18. In the period function of a G_{m_1} is G_{m_2} to G_{m_3} in G_{m_4} in G_{m_4}

$$x_1 + \xi_{111} \in \mathbb{R}^{n}$$

 $\mathcal{X}_1 \otimes \mathcal{X} \leq 2 \omega$

7, 7, 20,

The values of a label x_k in the contest x_k , candidlety

- (a) 100 and 55
- (2) 120 and 75
- (3) 100 au clati.
- (c) 180 kmasp

"ESR Pro 2013 ; 2 Marks]

- 18. Consider that a guildi a monute 16 mang கூறிற [kin5] மட்டர்க் வளின்றிற்கு இருந்தியு பெண்டிருந்த arthround guilding இது இருந்தியு பெண்டிருந்த [bur worky Temple 2012] இருந்திருந்து அரசித
 - i (no nestani) Post de Albania

16 (**150**) 62

[**尼多斯尼斯斯通用的**加度的[4]

ingingRegRegRegRedagtiffication The National Confederation (Confederation) 920

20. A signal production of the work and a distance of

week on $i \otimes rac{1}{i}$ by the personal oversions of the i

A coyulong 3 to 18 missions 30 interest of the first allow. Wage copolinuous let 10 69 agreements; waters allows a secretary but

difficilities, with the king $\epsilon_{\rm p}$ in this part one will

ning specific medical wages when sold in the graph of the control

1.1 (1.20%)

ful; 2 15%

751 BOND

的工業等

(ESH Pro 2015), 2 Marks,

医牙根网

ANSWERS KEY

	2. 22	5 (2)	4. ::	a. (b)	6 [3]	7. Idl	3. 60	\$ 100
	11 00							
181. 391	200, -6.5							

EXPLANATIONS

. 1:1

Show the number of descendings in Black KAT a a_1 a_2 a_3 a_4 a_4 a_5

Moreover to mile to success all of

(S + S) A' = A C giving $A' = A' + B C \otimes S = A'$ The introductions from $CA = C^T \otimes A = C$

2. (5)

) at value of Section the crosses against 0 thought space 30 years, and of the regular fixed 30×76 yet an precise ~ 1

Harmonic presentaçãos figas (minor 18, 2.7% a 3.2% where,

As the third conty we want using the given a property and the same of the tributes of a point A' is obtained by policy A' is obtained.

£. (c)

Walcan to m ⊇ mach couples a set by the number of D_a. pro one that 50 in maint if which if

$$(x,y) = 381$$

 $80^{\circ} - 100^{\circ} = 12.5\%$

We stigg that λ are infinitely see 3000 ± 125

Application recessions for the behavior and a more

 $= 325 \times 80 + 85, \ \ \mathrm{K6290} \ \ \mathrm{SSSM} + 8590 + 12887$

- Bride

 $g_{i,j}(g(S) = 20) = 100$, notes of 33 (33).

 $N(\underline{x}) = (x, q) \cos \alpha n \cos n a substitution by usuality is smooth.$

 $\lambda = (\mathbf{d})$

 $_{\mathrm{O}}$ graph (2.0 table ~ 100) (2.1 C 7-5)

 $g_{\rm CAUC}$ of $G_{\rm C}$ ($G/G_{\rm C}$ = $\frac{1}{12}$

ng tings in 90 page a 170% and once

which makes the MRC is 800 MRC = 800 has an II that they is 8 have placed 5 weeks that it is 8 kg in 5 kg is 5 kg in 6 kg in

 $z_{11}/2z_{12}z_{13}$, $z_{21}/2z_{13}$, $z_{21}/2z_{13}$

 $\otimes m_{i} g_{i+1} g_{i} * \lambda f_{i+1} = 1 : i$

J 191

The physical promonutes a substantial 25% which consist $R_{\rm c}$ 2000 topping to the forest income $r_{\rm c}$ = 10000.

u. (2)

in was sufficiency on increase of without caling a ad-

0. Sitisful each we get form an include as 10 W = $(M - 5) \times 10$ which group M - 30

7. (d)

Aprily on use to 2.4 missiles are quickly religing to a second

$$\tilde{f}(t) = \frac{O(t) \cdot \tilde{f}(t) \tilde{f}(t)}{10}$$

$$\sum_{i=1}^{n} x_i x_i = \sum_{i=1}^{n} x_i^2$$

$$\frac{100000}{7}\frac{H_{1}(0000+0)-777}{7} \cdot \frac{10000+1}{10} \cdot$$

= 1356 H20 + 1956

$\Theta_{ij} = \{i,j\}$

. It is the formulae for this and product of many virtual objects of $(0.6)^2 = 0.6\%$. If $(0.2)^2 = 0$ i.e., the results of this constitution is $(0.6)^2 = 0$.

$$m = 6 + 7 \cdot 1 \cdot \frac{\sigma}{\sigma} = 0.6$$
 (3.)

$$\phi \beta = \beta \gamma + \mu \epsilon + \frac{2}{\epsilon} \gamma = .81 \qquad \qquad \Delta \alpha$$

$$a\mu_{t} = -\frac{9}{2} \approx ...354$$
 ...(1)

The modernian b=v=0.8 . Of z=0.2 which can be present to as applied when it makingly (1991), which is a positive start.

$\Theta_n = (n)^{T}$

Use the formula, for some are proporting more Given equation is $\phi = (y^2 + y_1)/2$, which is the Levi matrices of this seque, on the $\hat{\phi}_{i_1, i_2, i_3}$. With one cases as 3 = 40 and this copies 3 is not empty and equations. (a)

condignos de lla conque 9 de 19

40. jet

Covarife encodicing e Auditors its glass for -3

on, Area of size A ... An or
$$\frac{19}{4}\alpha$$

Or current control and the section by $J_{\rm corr} _{\rm effect} \neq 0$

on Average state
$$R = \left(\frac{1}{2}\right)^2 \approx 2f \left(\frac{2f}{4}\right)^4$$

Given the constraint of the Circum Herce () and a A \sim Circum feature of the Shift Hermitian $_{\rm Circ}$

Expressed of Albert Covaling

Sive or since
$$C = \left(\frac{3}{9}\right)^2 x = \frac{61}{8}\pi$$

flate of one of a spin Group in the of google in grap

Tate for the 4 white $\frac{9}{9},\frac{9}{25}$ of 5.0 Section $g_{10}g_{10}g_{10}$

11. (5)

Once the behavior mass is given about the second of a constant particle of the second $\{x\}$ and $\{x\}$ is a constant $\{x\}$.

$$3 = \frac{1}{2}(-8\pi)\frac{3}{18}(-80), \quad 3 = 2f, \quad 8 = 2\frac{3}{16}(-8\pi)$$

$$(b + \xi + \phi_2) = \frac{3}{9} + 6 + 3 + 3\xi_1 + \dots + \frac{3 + 3}{5} + \frac{3}{5} + \frac{3}{5} + \frac{3}{5} + \frac{3}{5}$$

$$f = \xi - 10 + 6 + \frac{2}{4} - 4 \eta \pm \frac{60}{3} \cdot \quad (g = g \pm \sqrt{g})$$

12. (d)

$$\begin{array}{ccc} A + B = A \\ C + B = A \\ S = A \\ B = C + A \\ C + A \\ C = B \\ A + A \\ C = B \end{array}$$

$$\mathrm{d} \Omega = D + D + |\Omega| + |\Delta|$$

$$P = P - 2 \mathbf{p} = 0$$

Sets a function operation system $\mathcal{O}=45$ and $\mathcal{O}=66$

169. (51

Tusques under constitution justification of participation of the description of the constitution of the co

14. (g)

This curvation countries solve a by inding indicating internal curvations is a supercomming the programme.

where is
$$z = 2^{n} \geq 3^{n} \cdot \frac{1}{2^{n-1}} + 6^{n}$$

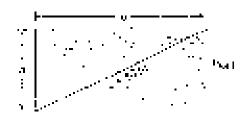
Found tip votice in the given objective function.

If a 2 to 50c H. Uk, walget having to value of z = 56.

green. The
$$\eta$$
:
$$\frac{2}{3} = 2 \frac{\sum_{i=1}^{2} 0^{3}}{\sum_{i=1}^{2} 1} \frac{(2\sqrt{n}\phi_{i})^{\frac{3}{2}}}{\sqrt{2\pi i \frac{3}{2}(2n\phi_{i})}}$$

frolling, a = 0 we set $\frac{a}{a} = \frac{ab}{ab}$

73 (b)



Perimeter =
$$22 \, \mathrm{m}$$

$$\Rightarrow \quad 2\pi - 20 \times 2 \times 72 \text{ r}$$

$$0 - 2\pi - 26 \text{ r}$$
(2)

$$A(44) \rightarrow -5 \tag{1}$$

$$m_{2} \leq (m + 1)^{2} + (m + 1)^{2} + (m^{2} + 1$$

$$4.8 \pm 0.21 \pm 0.8 \text{ (Area)}$$

$$\Rightarrow$$
 Aveo = AdS of

 $\mathbf{I} = (\pi)$



ZF3 : 1 1935

plote: $f_{ij} = f(j) + f(k) + f(k) + g(k)$

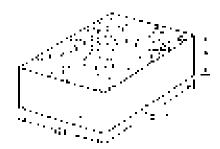
 $d \cdot (c)$

 b) a Heijor bad sea volved by analog polytype normal/deposite //historiosus/persocksteming.
 b) polytheim.

ween is - - $00 and <math>a_0 \sim 40$

3 (a)

11.



Cive in Horization is:

Assume from a Arca of coding z=3a , of a section a_{12} , as b_{2}

$$\Rightarrow (10215)(1) \times 15, \quad (152.5 - 2) * (10.80 * 2)$$

$$J_{0} = \xi_{0} g$$

Without present
$$x \in \mathbb{N}$$
, $x \neq 0$ and $x \in \mathbb{N}$, $x \in \mathbb{N}$

មួយ. (គ.)

in the sector base to an introduction with a $T \otimes x^{\Phi}$ = $G \wedge x^{\Phi}$ found

With the group we give the or delike to my sets α

$$\frac{(56) \times 10089}{3008} = 1.38999 \quad \text{in the right 3.0565} \quad \text{as the}$$

more rise in executed has pushwist-

9**4379**