

تحقیقی در عملیات

استاد:

دکتر رستمی

Subject:

Date:

Name:

(Signature)

10

1

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— 1 —

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1000-2

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□ 1990

ANSWER

10. The following table shows the number of hours worked by 1000 workers in a certain industry.

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וְעַתָּה תִּשְׁמַח אֶת-בְּנֵי יִשְׂרָאֵל וְעַתָּה תִּשְׁמַח אֶת-בְּנֵי יִשְׂרָאֵל

20. 1991-1992 學年上學期

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—nachtrag — Nachtrag — Nachtrag — Nachtrag —

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לְמִזְבֵּחַ תְּמִימָה תְּמִימָה תְּמִימָה תְּמִימָה

وَالْمُؤْمِنُونَ الْمُؤْمِنَاتُ وَالْمُؤْمِنُونَ الْمُؤْمِنَاتُ

W. H. G. — 1900

Subject:

L

Date:

$$\text{exp}(T_1 - T_2, \gamma - \Gamma) = T_1 e^{T_1 \gamma} e^{-\Gamma} - T_2 e^{T_2 \gamma} e^{-\Gamma}$$
Max term = $\max(T_1, T_2)$

and

Min term = $\min(T_1, T_2)$ 

Another interesting result is that if $T_1 > T_2$, then $\exp(T_1 - T_2, \gamma - \Gamma) = \exp(T_1, \gamma - \Gamma)$.

$\exp(T_1, \gamma - \Gamma)$

$\exp(T_2, \gamma - \Gamma)$

$\exp(T_1 - T_2, \gamma - \Gamma)$

$\exp(T_1, \gamma - \Gamma)$

$\exp(T_2, \gamma - \Gamma)$

$\exp(T_1 - T_2, \gamma - \Gamma)$

$\exp(T_1, \gamma - \Gamma)$

$\exp(T_2, \gamma - \Gamma)$

$\exp(T_1 - T_2, \gamma - \Gamma)$

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$\exp(T_1 - T_2, \gamma - \Gamma)$

$\exp(T_1, \gamma - \Gamma)$

$\exp(T_2, \gamma - \Gamma)$

$\exp(T_1 - T_2, \gamma - \Gamma)$

$\exp(T_1, \gamma - \Gamma)$

$\exp(T_2, \gamma - \Gamma)$

Subject _____ Date _____

الطباطبائي پرنسپل، مکانیزم و این

(پرنسپل، تئوری، این) تئوری، این آن آن

(پرنسپل، پرنسپل، مکانیزم و این) آن آن

(پرنسپل، مکانیزم و این)

آن آن آن آن

Subject

Date

Problems - proportionality, direct proportion

Example of ff. In finding the cost
of a certain

of a certain

proportionality according to the following

and given the cost which

is directly proportional to the cost

or $y = kx$



٤

Date _____

Subject: _____

تاریخی این مکانات را در پیش از این مکانات

گذشتند و این مکانات را در پیش از این مکانات

(پیش از این مکانات) بگوییم که این مکانات

نامهای دارند

که این مکانات را در پیش از این مکانات

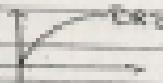
گذشتند و این مکانات را در پیش از این مکانات

بگوییم که این مکانات نامهای دارند



12.3

آن مکانات را در پیش از این مکانات



12.3

آن مکانات را در پیش از این مکانات

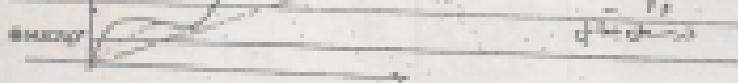


12.3

آن مکانات را در پیش از این مکانات

(آن مکانات را در پیش از این مکانات)

آن مکانات را در پیش از این مکانات

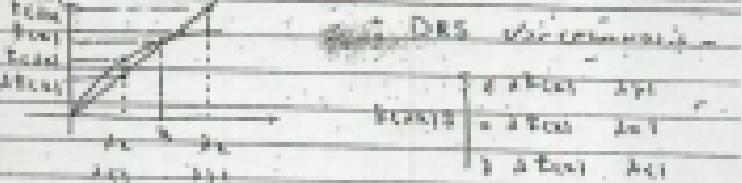


12.3

Subject
Date
Time
Page
Topic
Author

t

Date



DRS vs time

y = 1000 t + 50

1000 = 1000 t + 50

1000 - 50 = 1000 t

DRS

DRS vs time

Subject
Date
Time
Page
Topic
Author

0, 100, 200
100, 200

y = 1000 t + 50

1000 = 1000 t + 50

1000 - 50 = 1000 t

1000 - 50 / 1000 = t

∴ DRSt = 1000 t + 50 : which shows relation exist b/w

$$DRSt = R_1 t + R_0 \quad \text{eqn}$$

∴ DRSt = R1t + R0 : which shows relation exist b/w

$$DRSt = R_1 t + R_0 \quad (R_1, R_0 \text{ are constants})$$

∴ DRSt = R1t + R0 : which shows relation exist b/w

$$\sum R_i$$

$$\therefore R_1 = DRSt - R_0 \quad (\sum R_i = \text{constant})$$

∴ R1 = $\frac{\sum R_i}{t}$

∴ R0 =

$$= C.R.S \quad \sum R_i \times 1 = C.R.S$$

Date:

Date:

Chrysanthemum - Chrysanthemum
annual herbaceous plant - annual herbaceous plant

Chrysanthemum - Chrysanthemum

annual herbaceous plant - annual herbaceous plant

Chrysanthemum - Chrysanthemum

annual herbaceous plant - annual herbaceous plant

annual

Subject	Date	Page No.
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Arabic	1/1/2012	7
Arabic	1/1/2012	8
Arabic	1/1/2012	9
Arabic	1/1/2012	10
Arabic	1/1/2012	11
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Arabic	1/1/2012	99
Arabic	1/1/2012	100

Subject _____

Hanafiyyah - Umayyad - Abbasid - Fatimid - Mamluk - Ottomans

Mughals - Marathas - Sikhs - Peshwas

Sufis - Qadiriyyah - Shadhiliyyah - Naqshbandiyyah

Shaykh al-Islam - Mufti - Darul-Uloom - Madrasah

Imam - Mufti - Darul-Uloom - Madrasah

Shaykh al-Islam - Mufti - Darul-Uloom - Madrasah

Date _____

(1)

Date _____

1. वास्तविक संख्या का प्रयोग

2. वास्तविक संख्या का अभियोग

3. वास्तविक संख्या का अभियोग

4. वास्तविक संख्या का अभियोग

5. वास्तविक संख्या का अभियोग

6. वास्तविक संख्या का अभियोग

7. वास्तविक संख्या का अभियोग

अभियोग

वास्तविक संख्या



वास्तविक संख्या



वास्तविक संख्या

प्रश्नांक 1. वास्तविक संख्या का अभियोग

Subject

X

Date



$\frac{1}{n} \sum_{i=1}^n \left(\frac{y_i - \bar{y}}{\sigma} \right)^2$

$\approx \text{SSE}$

$\hat{y}_i = \beta_0 + \beta_1 x_i + \epsilon_i$, $\epsilon_i \sim N(0, \sigma^2)$

Ordinary Least Squares

$\hat{y}_i = \beta_0 + \beta_1 x_i$, $\min_{\beta_0, \beta_1} \sum_{i=1}^n (y_i - \hat{y}_i)^2$

Weighted Least Squares

$\hat{y}_i = \beta_0 + \beta_1 x_i$, $\min_{\beta_0, \beta_1} \sum_{i=1}^n \frac{(y_i - \hat{y}_i)^2}{w_i}$

$w_i = \frac{1}{\sigma_i^2}$

$\hat{y}_i = \beta_0 + \beta_1 x_i$

$\hat{y}_i = \beta_0 + \beta_1 x_i$, $\min_{\beta_0, \beta_1} \sum_{i=1}^n w_i (y_i - \hat{y}_i)^2$

Generalized Least Squares

$\hat{y}_i = \beta_0 + \beta_1 x_i$, $\min_{\beta_0, \beta_1} \sum_{i=1}^n w_i (y_i - \hat{y}_i)^2$

$w_i = \text{Var}(y_i)$

$w_i = \text{Var}(y_i | x_i)$

\hat{y}_i

$\hat{y}_i = \beta_0 + \beta_1 x_i$



$\hat{y}_i = \beta_0 + \beta_1 x_i$

\hat{y}_i

1

1

Page 10

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• 115 •

...and the world is yours, and I am with you always.

Chlorophyll a + b ($\mu\text{g m}^{-2}$) = $(\text{Chlorophyll } a + \text{Chlorophyll } b) \times 1000$

$\theta_1 = \theta_2 = \dots = \theta_n = \theta$, $\theta_{n+1} = \theta_{n+2} = \dots = \theta_m = \theta'$

...and the last time I saw him he was sitting in a chair, holding a cigarette and looking very sad.

—
—
—
—
—

--

卷之三

μ_{in}	μ_{out}	μ_{in}	μ_{out}
μ_{in}	μ_{out}	μ_{in}	μ_{out}
μ_{in}	μ_{out}	μ_{in}	μ_{out}
μ_{in}	μ_{out}	μ_{in}	μ_{out}

Section A

Date

From Chennai to Calcutta via Bhopal and Patna

Passenger Shri. S. R. Rao and Mr. S. R. Rao

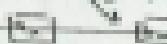
Passenger S. R. Rao and S. R. Rao

Passenger S. R. Rao and S. R. Rao

1st class 1000/-

2nd class 100/-

Passenger S. R. Rao



Passenger S. R. Rao

Subject _____

Date _____

1. What is the difference between a primary and a secondary consumer?

2. What is meant by the term energy pyramid?

3. What is meant by the term trophic level?

4. What is meant by the term energy flow?

5. What is meant by the term ecological niche?

6. What is meant by the term ecological balance?

7. What is meant by the term ecological succession?

8. What is meant by the term ecological community?

9. What is meant by the term ecological system?

10. What is meant by the term ecological equilibrium?

11. What is meant by the term ecological adaptation?

12. What is meant by the term ecological stability?

13. What is meant by the term ecological resilience?

الفصل

٢

الصف

العنوان: الكتاب المقدس في العصر الذهبي

الموضوع: الكتاب المقدس في العصر الذهبي

Subject:

P.P.I. 48 pH 7.0 ± 0.2

प्राकृतिक विद्युत का उत्पन्न होने की कारणीयता

परमाणुकरण

प्राकृतिक विद्युत का उत्पन्न होने की कारणीयता

परमाणुकरण

Bild 19

Welle mit einer Amplitude von 3 cm und einer Frequenz von 2 Hz wird erzeugt.

Welle 1 ist die Welle,

Welle 2 ist die Welle,

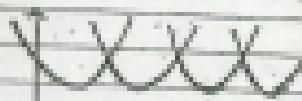


Welle 1

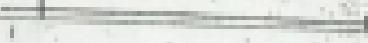


Welle 2

Welle 1 und Welle 2 sind konstruktiv interferiert.



Welle 3



Welle 4 ist konstruktiv interferiert.

Welle 5 ist destruktiv interferiert.

Page 1

1

1

وَالْمُؤْمِنُونَ الْمُؤْمِنَاتُ وَالْمُؤْمِنُونَ الْمُؤْمِنَاتُ

10. The following table gives the results of the experiments made by Dr. J. C. Galt.

1. *Chlorophytum comosum* (L.) Willd.

وَالْمُؤْمِنُونَ إِذَا قَاتَلُوكُمْ إِذَا هُمْ مُّهَاجِرُونَ فَلَا يُعَذِّبُوكُمْ وَإِنْ تُعَذِّبُوهُمْ فَإِنَّ اللَّهَ عَنِ الْعَذَابِ عَنِ الْأَوْيَانِ

Table 2. Results of the Experiment

Figures

三

ପାତ୍ରଙ୍କିତ ମହାନ୍ତିର ପାଦରେ ପାଦରେ ପାଦରେ

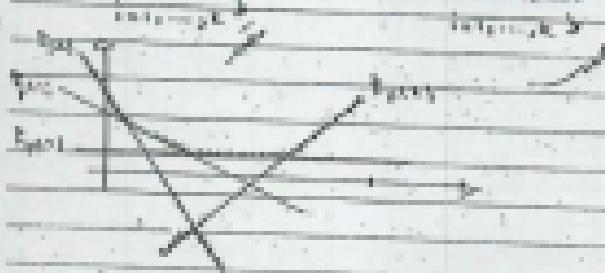
— A 1927 (1-2) 227 —

$$\Rightarrow \mathbb{E}[X_{t+1}^2] = \mathbb{E}[X_t^2] + \mathbb{E}[X_t X_{t+1}] = \mathbb{E}[X_t^2] + \mathbb{E}[X_t] \mathbb{E}[X_{t+1}]$$

~~1.0000000000000000~~ 1.0000000000000000

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Journal of Clinical Endocrinology 1998, 140, 103–109. © 1998 Blackwell Science Ltd
doi: 10.1046/j.1365-2796.1998.00832.x



Subject

II

Date

~~Engineering Mathematics~~

Engineering Mathematics

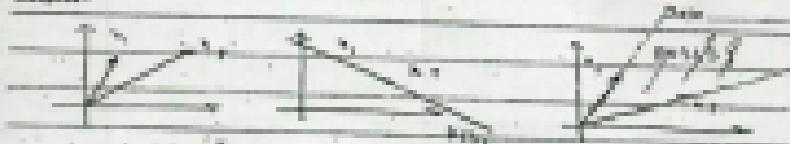
Engineering Mathematics

Engineering Mathematics

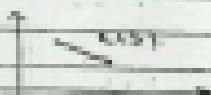
(Engineering Mathematics)

Engineering Mathematics

Subject:



L_1, L_2, L_3



L_1, L_2

L_3, L_4

Branch

Part

L_1, L_2, L_3, \dots \rightarrow L_1, L_2, L_3, \dots

L_1, L_2, L_3, \dots \rightarrow L_1, L_2, L_3, \dots

L_1, L_2, L_3, \dots \rightarrow L_1, L_2, L_3, \dots

- Subject: Math Date: _____
1. What is the value of the digit 5 in the number 357?
2. What is the sum of 25 and 37?
3. What is the product of 7 and 8?
4. What is the difference between 45 and 28?
5. What is the quotient when 42 is divided by 6?
6. What is the value of the digit 2 in the number 123?
7. What is the sum of 15 and 20?
8. What is the product of 9 and 5?
9. What is the difference between 36 and 19?
10. What is the quotient when 56 is divided by 8?

Definition:

Mineral (min) is inorganic solid substance occurring in nature, having definite chemical composition.

Minerals are solid substances occurring in nature.



Minerals are solid substances occurring in nature.

Minerals are solid substances occurring in nature.

Minerals	1	2	3
Minerals	1	2	3

Minerals	1	2	3
Minerals	1	2	3

Minerals	1	2	3
Minerals	1	2	3

Minerals are solid substances occurring in nature.

Biology

Geometrische Interpretation
Zwei reelle Werte von \sqrt{D} bestimmen die Punkte auf der Parabel

$$\text{WZ: } \text{Punkt } (x_1, y_1) \text{ liegt auf der Parabel}$$

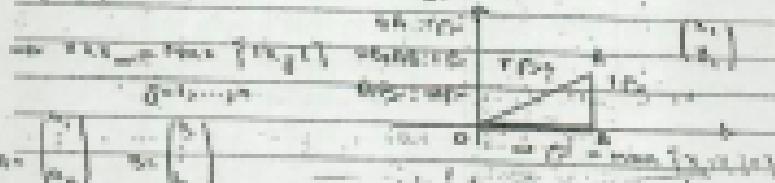
$$(x_2, y_2) \text{ nicht}$$

$$\text{Parabel: } y = ax^2 + bx + c \quad \text{mit } D = b^2 - 4ac$$

$$\text{Punkte: } (x_1, y_1), (x_2, y_2) \in \mathbb{R}^2 \quad \text{mit } \sqrt{D} = \sqrt{b^2 - 4ac} = \sqrt{(b_1 - b_2)^2 - 4(a_1 - a_2)(c_1 - c_2)}$$

$$\text{Punkte: } (x_1, y_1), (x_2, y_2) \in \mathbb{R}^2 \quad \text{mit } \sqrt{D} = \sqrt{(b_1 - b_2)^2 - 4(a_1 - a_2)(c_1 - c_2)}$$

$$\frac{x_1 - x_2}{\sqrt{D}} = \sqrt{\frac{a_1 - a_2}{a_1}} + \sqrt{\frac{c_1 - c_2}{a_1}} = \sqrt{\frac{a_1 - a_2}{a_1}} = \sqrt{1 - \frac{a_2}{a_1}}$$



Geometrische Interpretation
Zwei reelle Werte von \sqrt{D} bestimmen die Punkte auf der Parabel

$$\text{Parabel: } y = ax^2 + bx + c \quad \text{mit } D = b^2 - 4ac$$

Subject _____

Date _____

1. In which country is it located?

1. *Continent* - *Asia*
 2. *Country* - *China*
 3. *Capital city* - *Beijing*
 4. *Language* - *Mandarin Chinese*

(V) *True* or *False*1. *True* *False* *True* *False*

1. *China* - *Asia*, *Europe*, *Africa*, *North America*

2. *True* *False* *True* *False* *True* *False* *True* *False*

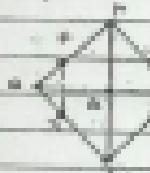
3. *True* *False* *True* *False* *True* *False**Geography*4. *True* *False* *True* *False* *True* *False*5. *True* *False* *True* *False* *True* *False*6. *True* *False* *True* *False* *True* *False**Answer*

Section:

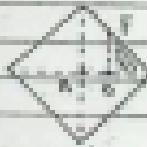
Date:

Liegt ein Kreis im Außenbereich eines Dreiecks, so dass er alle drei Seiten berührt?

Welche Bedingung muss die Dreiecksseiten erfüllen?



Was ist der Name des Kreises?



Was ist der Name des Kreises?

Wie kann man einen Kreis im Außenbereich eines Dreiecks konstruieren?

Was ist der Name des Kreises?

Wie kann man einen Kreis im Inneren eines Dreiecks konstruieren?

Was ist der Name des Kreises?

Wie kann man einen Kreis im Außenbereich eines Dreiecks konstruieren?

Was ist der Name des Kreises?

Wie kann man einen Kreis im Inneren eines Dreiecks konstruieren?

(M)

• Subject

Date

- What is the role of the brain and nervous system?
- What are the functions of the brain and nervous system?
- What is the role of the brain and nervous system in the body?
- What is the role of the brain and nervous system in the body?

Answer 3 & 4

• What is the role of the brain and nervous system?

• What is the role of the brain and nervous system?

$$\text{Ans} = \text{Brain} \{ \text{N.S.} \} = \text{B.N.S.}$$

• What is the role of the brain and nervous system?

• What is the role of the brain and nervous system?

• What is the role of the brain and nervous system?

• What is the role of the brain and nervous system?

$$\text{Ans} = \text{Brain} \{ \text{N.S.}, \text{B.N.S.} \} = \text{C.N.S.}$$

• What is the role of the brain and nervous system?

• What is the role of the brain and nervous system?

ANSWER



M

Subject:

10

Date:

1. What is the difference between a primary and secondary market?

2. What is the difference between a primary and secondary market?

3. What is the difference between a primary and secondary market?

4. What is the difference between a primary and secondary market?

5. What is the difference between a primary and secondary market?

6. What is the difference between a primary and secondary market?

7. What is the difference between a primary and secondary market?

8. What is the difference between a primary and secondary market?

A	B	C	D
E	F	G	H

9. What is the difference between a primary and secondary market?

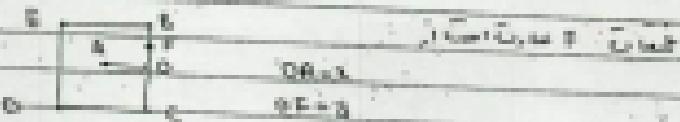
10. What is the difference between a primary and secondary market?

ANSWER:

● Subject:

Topic

● What are the main parts of a cell?



● What are the main parts of a plant cell?

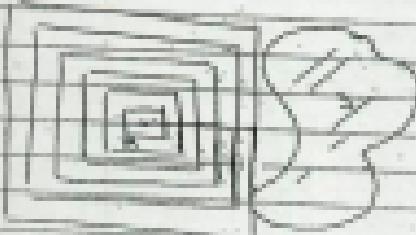
Cell wall, Cell membrane

Plasma membrane, Cytoplasm, Nucleus, Chloroplasts

Protoplasm, Cell sap, Vacuole

Endoplasmic reticulum, Golgi apparatus

Actin filaments, Microtubules, Cytoskeleton



Cell wall

Plasma membrane

Nucleus

Energy