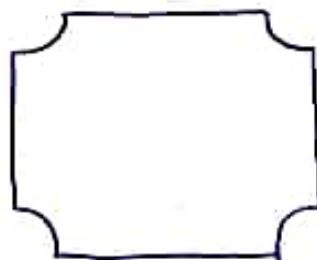


H) A square has its area 81 cm^2 and the radius of the circle formed by arcs is 2cm, then what is the value of ~~perimeter~~ perimeter of the figure. 

- a) $36 - 4\pi$
- b) $36 - 2\pi$
- c) $22 - 4\pi$
- d) none



I don't remember exact values. But I think the answer is [a].

I) Which of the following is correctly spelled?

- a) perciue
- b) perceive
- c) parcive
- d) perceeve

16) The area under the curve for $\int x^2 + 1$ between $x=1$ and $x=4$ is

17)

A body of mass 2kg has velocity $6 \frac{\text{km}}{\text{hr}}$. It is ~~in~~ After ~~to~~ 8 seconds it is $10 \frac{\text{m/s}}{\text{km/hr}}$. Then power is ?

18)

3	9	27
7	49	343
11	121	?

19) ~~Directions wali~~ ~~of~~

20) Directions wali 2 questions thay.

10



If body moves from A to B change
in speed or $E = ?$

① Angle in semi circle?

② $\angle A = 35^\circ \quad \angle B = 62^\circ \quad \theta = ? \quad n = ?$

③ Log₄ (common) is Log 5

then Log 45 = ?

④ If A is Arithmetic, G is geometric

& it is Harmonic then

$A > G > H$

$A \leq G \leq H$

$A \geq G \geq H$

$A \leq G \leq H$

⑤ $\begin{bmatrix} 2 & 3 \\ 4 & 5 \\ 6 & 7 \end{bmatrix}$, order of transpose?

$\begin{bmatrix} 2 & 3 \\ 4 & 5 \\ 6 & 7 \end{bmatrix}$

$$⑥ 3x + 4y + 3 = 0 \quad 3x + 6y + k = 0$$

Solution show non trivial sol then $k = ?$

⑦ $a^x = b \Leftarrow ?$

⑧ If A & B are overlapping then

(a) $n(A) + n(B) - n(ANB)$

(b) $n(A) \cap n(B)$

$n(A) - n(B)$

none

⑨ $F(A) + F(B) = \phi$ then

A & B are

⑩ Mutually exclusive

⑪ Overlapping

⑫ disjoint

⑬ none



- 8) Find quarks Σ_1 lepton Σ_2 in 3 electron, 3 proton
 Σ_1 4 proton
- 9) Find Binding energy
- 10) Find Spring constant
- 11) Find heat capacity

\Rightarrow Chemistry

- 1) Components of Acid Rain
- 2) Ester's formula
- 3) Equation given the , What is nucleophile
- 4) pH less than 7 , following demarc
- 5) if $m = 0.1 \text{ g}$ find moles of Sodium
- 6) if ΔH is negative then
- 7) Find Activation energy
- 8) Si melts the bond option \Rightarrow Covalent (polar)
Covalent (non polar)
Ionic ...
- 9) Strong carboxylic acid?

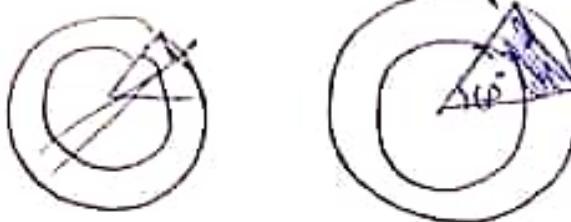
Q8



~~in circle ABC~~
if $\angle AOB = 115^\circ$
find angle $\angle AOC$.

- a) 50° (Ans) b) 30° c) 60° d) 15°

Q9



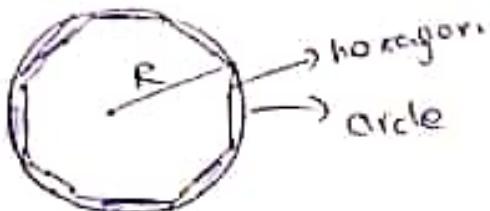
Ans where $R \neq r$
where given
as $R =$ radius of bigger circle
 $r =$ radius of smaller circle

- a) $\frac{1}{2} \left(\frac{\sqrt{3}R^2}{2} - r^2 \frac{\pi}{3} \right)$ (Ans) b) $\frac{\sqrt{3}R^2}{2} + \frac{1}{2}$ c) don't remember d) don't remember

Q10 $\alpha = 60^\circ, \beta = 60^\circ$ and in a triangle $AB = 2m$ (i don't remember exact value)
what is $AD = ?$

- a) 2 (Ans) c) 3
(equilateral Δ) d) 4 e) 5

Q11



Area of shaded region was asked
Ans.

Q12

ellipse equation was asked $e = \frac{x}{\sqrt{3}}$, x and directrix was given
($x =$ some value)

Q13

$x^2 + 2y^2 + 3x + 4y - 20 = 0$ (curve represents)
a) ellipse b) hyperbola c) circle d) lines

- 22) $(1-i)^{14} = ?$
- 23) Options don't remember
- 24) Derivative wrt x is
- a) $\frac{x+1}{x-1}$ (Ans) b) $-2(x+1)^2$ c) don't remember
- + 24) Pakistan can be arranged in _____ ways if 'P' is fixed at start
- 25) Options don't remember
- $A = \{0, 1, 2, 3, 4, \dots, 11\}$ $B = \{0, 1, 2, \dots, 10\}$ $A - B = ?$
- a) 11 b) $\{1\}$ (Ans) c) 0 d) \emptyset
- 26) If $A \subseteq B \subseteq C$ and $a \in B$ then
- a) $a \in A$ b) $a \in B \cap C$ c) $a \notin B$ d) none
- (Ans)
- 27) If a card is picked from a deck of 52 cards then what is the probability that card is either a spade or queen?
- a) $4/13$ b) $3/15$ c) $5/15$ d) $4/15$
- (Ans)
- 28) If there are '30' digits then find the permutation if 2 digits are picked at once
- a) $n=6$ b) $n=5$ c) $n=4$ d) $n=1$
- (Ans)
- 29) $2x + 2y = 0$ $x + 2y = 0$
- a) trivial others $x=0, y=0$ (Ans)
- b) non trivial
- c) Two solutions
- d) don't remember
- 30) $\frac{dx}{x^2 + 2x + 1} =$ partial fractions = ?

$$3) 2 \sin \frac{\alpha}{2}$$

$$4) \sin^2 \theta - \cos^2 \theta$$

NET = 3

1) If $a < b$, then $\frac{1}{a} - \frac{1}{b} = ?$ $a > 0, b < 0 \Rightarrow 0 = 0$

$$\frac{1}{a} + \frac{1}{b}$$

2) If $a > b$, then $\frac{1}{a} - \frac{1}{b} = ?$ $a > 0, b < 0 \Rightarrow 0 = 0$

$$\frac{1}{a} + \frac{1}{b}$$

3) If A is symmetric, then $A - A^t = ?$

4) Factors of $x^2 - 2x + 1 = ?$

$$2y \quad 4y$$

$$8y^2 - \cancel{2y} 2xy^2$$

$$r^2(8 - 2\pi)$$

5) Factors of $x^2 + 5x + 6 = ?$

6) Empirical formula of glucose,

7) Formula for ellipse, hyperbola = ?

8) If diagonal of a square is 20, then its side = ?

9)  Area of the shaded region = ?

10)

Definition of Alkene?

11) $1^2 + 3^2 + 5^2 + \dots + n^2$ sum ~~of~~ = ?

12) One question was to find harmonic mean between 20 and 40

13) If 1, 2, 3, 4, 5, 6, 7, 8 stands for PESHAWAR, then SHAWAR = ?

a) 2, 3, 4, 5, 6, 7 b) 3, 4, 5, 6, 7, 8 c) ---

14) 17 20 15

18 16 23

16 25 ?

15) Meaning of expedient?

(Q)

NET-II

08-Aug (Morning)

- ① Escape Velocity of Jupiter? 62
 - ② Direction of Qiblah is measured by
 - 1- plane geometry
 - 2- Astronomical geometry
 - ③ Spherical geometry
- 4 ---
- ④ Find the value of function $\sin x = \cos x$ from $(0 - 360^\circ)$ in radians
⇒ options yaad rhi!
 - ⑤ Find the value of function $\tan x = \cot x$ from $(0 - 360^\circ)$ in radians
 - ⑥ $f'(x)$ of $\left(\frac{1}{x}\right)^x$.
 - ⑦ $\cos x$ is +ve in which quadrant.

PIEAS ENTRY TEST 2020

⇒ Mathematics

- 1) 11^{th} order derivative of $e^{-\infty}$
- 2) If $\log 4 = \dots \in \log 5 = \dots$ then $\log 45 =$ find it?
- 3) $A = \begin{bmatrix} \cdot & \cdot \\ \cdot & \cdot \end{bmatrix}, B = \begin{bmatrix} \cdot \\ \cdot \end{bmatrix}, C = \begin{bmatrix} \cdot & \cdot \end{bmatrix}$ then which one is true
 - (a) $(AB)^{-1} = A^{-1}B^{-1}$
 - (b) $AB = BA$
 - (c) $A(BC) = (AB)C$
 - (d) None
- 4) If $\angle A = 35^\circ, \angle B = 62^\circ$ And $c = 2$ then $a = ?$
- 5) If a is in y -axis then $(0, b)$ is
 - (a) X-intercept
 - (b) Y-intercept
 - (c) Slope
 - (d) None
- 6) $A = \begin{bmatrix} 2 & 3 \\ -1 & 4 \\ 5 & 6 \end{bmatrix}$ the order of $(A)^t$
- 7) Recurring decimals is also called
 - (a) Rational
 - (b) Irrational
 - (c)
 - (d)
- 8) $\sqrt[3]{x}$ the root
- 9) The sum of cube root of unity is $x - 4$ then $x = ?$
- 10) If $E_1 \in E_2$ are two events [then] and $E_1 \cap E_2 = \emptyset$
then options → Overlapping Disjoint...

⇒ F. ppitude

① What explains my sleeping routine best

- Ⓐ I sleep more than usual
- Ⓑ I can't sleep
- Ⓒ I sleep a hours less or more
- Ⓓ Sleeping routine is same as before

②

I deal handle situation calmly & balanced

- Ⓐ Underdeveloped
- Ⓑ Good
- Ⓒ Need improvement
- Ⓓ Adequate

③ Which statement best explain my mood

- Ⓐ I don't feel interested
- Ⓑ I feel more interested than usual
- Ⓒ I —
- Ⓓ —

④ Which best explains worthlessness?

- Ⓐ I feel utterly worthless
- Ⓑ I don't feel worthless
- Ⓒ I feel like I can't do anything

Date: _____

1

- (18) Unit of pressure is electric field strength is
a. Pascal $\text{m}^2 \text{C}^{-1}$ b. $\text{Pa m}^{-1} \text{C}^{-1}$ c. $\text{Pa m}^{-1} \text{C}^2$

- (19) A coherent source has

- a. same amplitude b. same frequency
c. same phase d. same wavelength
in magnetic field

- (20) If the coil is rotating and flux linking the coil is changed. Then the emf induced is

- a. Motional emf b. Transistor emf
c. Both motional and transistor emf

- (21) If a body is moving upwards, its acceleration is
a. increasing b. decreasing c. remain constant

- (22) If a conductor is placed in magnetic field such that its direction of B is towards

- (23) If a particle is moving with speed V in direction of west and the magnetic field is out of the page. Then the force experienced in direction
a. North b. South c. East d. West

- (24) The de-excitation of electrons can occur through

- a. Spontaneous absorption b. Stimulated absorption
c. Spontaneous emission d. Spontaneous stimulated emission

- (25) If a particle ~~10¹⁸ disintegration~~ X having $A = 219$ and $Z = 16$ is converted into B having $A = 219$ and $Z = 15$ then particle emitted is
a. electron b. proton c. deuteron d. neutron

14 If the half life of an element is 3 days and we have 2 kg of it unchanged then what mass of it was a day's back?

- a) 1.6 kg
- b) 8 kg
- c) 12 kg
- d)

(one mca about radiation)

1. $A = \{1, 2, 3, 4\}$ $B = \{0, 2, 5, 8\}$ $A \cap B = ?$ (math)
2. If we have sin of an angle A. Write the angle out (math)
3. Question which circles touch internally & 4 options with 2 eqn of circle each given (math)
4. Subtraction possesses which properties (math)
5. Synonym of petite (English)
6. Which values of n satisfy $x^2 - 64x = 0$ (math)
7. If Area = 60 and $a = 12$ $b = 20$ find $\sin C$ (math)
8. Which function is decreasing in second quadrant (math)
- (a) $y = \sin x$ (b) $y = \cos x$ (c) $y = \ln x$ (d) $y = e^x$
9. If a capacitor discharges to half of its charge in 17 ms what is the time constant - (Physics)
10. Dehydrohalogenation means - (Chem)
11. Energy released in P-P cycle per nucleon is (Phy)
12. 2 eqns like
- $$\frac{(x-a_1)^2}{a^2} + \frac{(y-b_1)^2}{b^2} = 1$$
 given vertex were required (math)
13. Eqn parallel to y axis at distance of d from x axis is given by ? (math)
14. If radius of earth is doubled keeping mass constant what happens to escape velocity (phy)
15. If we have a sledges and two forces acting on some side of 60 N & 100 N and angle b/w them is 60° . The resultant is _____ than 250 N (phy)

- (10) Find the 7 multiple number b/w 30 and 300.
- (11) If z is complex nos then
 $z + \bar{z} =$
 (a) Real no (b) Rational no (c) Irrational no
- (12) 4, 7, 10, 13, ... - 52
 From his theory we know that he want to find $n = ?$
- (13) $(-1)^{\frac{1}{15}} = i$
- (14) What will be value of "a"
 $\lim_{x \rightarrow 1} \frac{ax^2 + 9x}{x-1} = -9$
 $(a)^1 - 9$
- (15) Find $\frac{dy}{dx} = \sinh ax^2 = ?$
- (16) Period of $\tan = ?$
- (17) $\sin^{-1}\left(\frac{4}{7}\right) = \cos^{-1}\left(\frac{7}{9}\right)$
- (18) $\tan 2\alpha = ?$
- (19) Function $f(x) = x^2$ the graph lie on (a) I and II Quadrant
- (20) The line parallel to x -axis then (a) $x=0$ (b) $y=0$ (c) ? (d) ?

Date: _____

(37) For a -fully discharged capacitor, the charge stored during $2RC$ is

- (a) 63%. (b) 32%.

(38) The charge on bottom quark is

- (a) $-2/3e$ (b) $-1/3e$ (c) $-e$ (d) $1/3e$

(39) The atmosphere is held with the planets due to

- (a) gravitational force (b) electromagnetic force

- (c) Nuclear weak force (d) Nuclear strong force

(40) $V = mL\lambda \rightarrow 3$ mols from this formula

(41) The magnetic flux through area of 4cm^2 when magnetic field is $2i + 3j + k$ is _____.
don't remember this statement

(42) The sensitivity of galvanometer is called

- a. Current sensitivity b. Voltage sensitivity
c. Resistance sensitivity d. none of these

(43) The momentum of two bodies is p and $2p$. The

ratio of their frequencies is

- a. $1:2$ b. $2:1$ c. $1:1$

(44) The unit of power in British Engineering System is

- a. horse power b. watt or

(45) Half Mass defect of which of the following is greatest?

- a. Th_{90}^{232} b. U_{92}^{238} c. H_1^1 d. Fe_{26}^{56}

6. If a worker falls on the top of a morgallo hills at the rate of 1.2 m/s and moves 50m then what is the power consumed?

7. If a man \uparrow standing on a ladder 20 kg which has a height of 15m and is making an angle of 60° with a frictionless floor the net force of friction the floor applies on the ladder.

8. A satellite orbits the Earth as a radius r and velocity v . If the radius of orbit is doubled then what is the new velocity?

a) $\frac{v}{2}$ b) $\frac{v}{\sqrt{2}}$ c) v d) $\sqrt{2}v$

(Come from 2017 Paper even the sequence of options index were the same.)

7. If a body \uparrow is attached to a spring about 2m having $k: 8000 \text{ dynes/cm}$ then what is the energy stored in it.

8. If a car horns a boy and the sound listened by the driver is more than the boy then what is the relation b/w pitch and frequency wavelength?

English Portion: →

1) Correct Spelling. Pilgrimage

2) Correct Spelling. Perpendicular

3) Correct Spelling. absence.

4) Correct Spelling. refrigeration.

5) He was ? to a skeleton.

- (a) Reduced (b) Punished (c) make (d) ?

⑥ Paragraph Questions. (Easy)

Intelligence Portion: →

① 10000, 100, 8100, 90, 7200, 85, 6000, 75, 4200, 70, 3200, 50

-10 -5 -10 -5 -10

② LABOUR ← is coded ← MCDRWD than
INSERS is Coded JPUHI correct

③	18	324	5832	12	144	1728
	42	168	672	25	125	625
	36	216	1296	38	228	?

④ Direction Questions.

Date: _____

- (10) Which of the following transistors can be possibly used?
i - NPN transistor ii - PNP transistor
a. I only b. II only c. Both I and II

- (11) Intrinsic semiconductors have
a. electrons b. holes c. equal no. of electrons and holes d. Neither electron nor hole attached with

- (12) The shunt which converts galvanometer to a more DC current is
a. Diode b. Resistor

- (13) The efficiency of heat engine is given by
a. $\frac{w}{Q_1}$ b. $\frac{Q_1 - Q_2}{Q_1}$ c. $1 - \frac{Q_2}{Q_1}$ d. All of these

- (14) At which place the simple pendulum will have the lowest frequency.
a. Lahore b. Karachi c. Murree d. Mount Everest

- (15) The electric potential of a charge $4 \times 10^{-8} C$ at a distance 4 cm is
a. -9000 N b. -7000 N

- (16) The visible light spectrum range lies between
a. 7000 Å to 4000 Å
b. 4500 Å to 3500 Å

- (17) For an isobaric process, if $P = 10 \text{ Pa}$ and $\Delta V = 20 \text{ m}^3$ and heat content of internal energy of system is 10 J . Then heat supplied to system is ____.

Date:

□□-□□-□□

DAY:

□□□□□
MTWTF

7- Primary, Secondary, Tertiary alcohols can be distinguished by Lucas Test in which:-

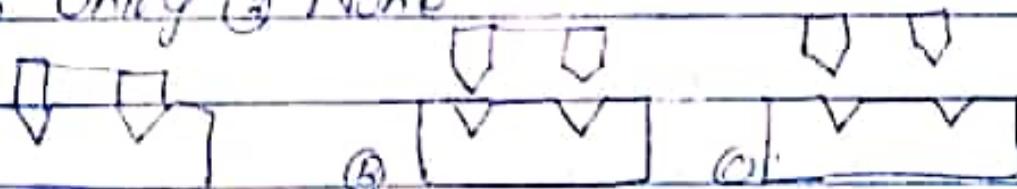
- ① Only layer appear ② Brown colour
- ③ None ④ Both.

8- Which bond is weaker:-

- ① Ionic ② Covalent ③ Double Covalent
- ④ Hydrogen bonding.

9- Rate of Rx = Specific rate constant when

- ① Concentration of reactants collectively is unity
- ② Concentration of each of reactants is unity
- ③ None



Correct Order:-

- ① ABC ② BAC ③ CAB ④ None of those

10. 7th Period is :-

- ① Complete ② Incomplete ③ ?

11. Higher Transition elements are in :-

- ① d-type ② s-f-type ③ Both.

12. The formula of cryolite:-

- ① Na_2AlCl_4 ② Na_3AlCl_5 ③ Na_3AlF_6 ④ None



Write a comment...

- 1) If we go 6000 km with them $T = ?$
- a) 9.5°C b) 0.9°C c) 0°C d) -9.5°C
- 2) Huygen's principle about nature of light
- a) Same b) different c) both classic
- 3) Damping is a process in which?
- a) 2 waves travelling in same direction, same frequency cancel each other
- b) light wave one follows partly another beam
- c) transverse in nature
- d) longitudinal in nature
- e) very small λ
- f) due to the presence of air
- 4) we open water of tube to into fire tube
- a) Outer slit
- b) Inner slit
- 5) $T_1 = 5^\circ\text{C}$, $P_1 = 1 \text{ atm}$ & $V_1 = 10 \text{ ml}$
 $T_2 = 7^\circ\text{C}$, $P_2 = 1 \text{ atm}$ & $V_2 = ?$

Like

Comment



Scanned with CamScanner

Date: _____

NET (SERIES-3) MCQs PHYSICS

- ① For a particle $A = E/c^2$ where E = energy of particle and c = speed of light. Then -the dimension of A is ____.
- ② The acceleration of a body at maximum height is
a. maximum b. minimum c. zero d. constant
- ③ Range of projectile is :
a. time in which it completes its motion
b. distance travelled from point of projection to back on ground
- ④ Volume of a solid cylinder of radius 5m and height 10m is ____.
- ⑤ Which is NOT a nonconservative force.
a. Friction force b. Normal force
c. Tension in string d. None of these
- ⑥ A body perform SHM motion. For it $x(t) = A \cos(\omega t)$.
where ω is ω , A = amplitude, x = displacement, and ω =
If $x = 100 \text{ cm}$ and $A = 45 \text{ cm}$ then -find θ in degrees.
a) 0.6 b) 0.8 c) 1 d) 1
- ⑦ A body oscillates about its mean position. The distance at which its P.E is equal to its K.E is ____ of the maximum displacement of the body.
a. Half b. doubled c. tripled d. remain same.
- ⑧ Black body curves are described completely by
a. Newton's formulation b. Planck's theory
- ⑨ Wheatstone bridge is made of ____ resistors
a. one b. two c. three d. four

Date:



DAY:



M T W T F S

- ⑥ $\int_{-\infty}^1 \frac{1}{x^2+1} dx = ?$
- ⑦ Q2 $\ell_1: x-y+3=0, \ell_2: x+y+9=0$.
Then the line $\ell_1, \ell_2 = ?$
① 90° ② 0° ③ 30° ④ None
- ⑧ The slope of $(2, 5), (6, 7)$ is ?.
- ⑨ The slope of $(-1, 6), (7, 9)$ is ?.
- ⑩ Feasible solution is restricted to 1st quadrant.
- ⑪ The points of intersection of $x+2y=8$, $2x+5=-9$ are ?.
- ⑫ Q2 A+B and are of opposite sign.
Then it is -
① Parabola ② Ellipse ③ Hyperbola.
- ⑬ $2x^2 + 2y^2 + 4x - 6y - 15 = 0$ is a) a) ① circle ② parabola ③ Ellipse
- ⑭ Two more ques were related to
above question.

(-2, 0)
2

is of stand Eqn:-

(16).

- ① $y^2 = -8x$ ② $x^2 = -8x$ ③ $x^2 = -4x$

Checked by _____

Excellent

Good

Need Improvement



- $\text{LOR} = 1 - \frac{3}{4}x$
product of inputs
non any input goes
- What happens if a parallel
to plane by will stand
- Input = 0 $\rightarrow A=0, B=0$
outputs which gated OR
NOR
None
- $(x-1)^4 = 16$
- $x_1, x_2, x_3 = 2, 3, 4$, $y_1, y_2, y_3 = 4, 5, 6$
- $y_1, F_1^2, F_2^2, F_3^2 = 4, 5, 6$
- sum of y_1, y_2, y_3 product of gate root
arity = ?
- $\frac{1}{n-3} \int_{x-3}^{x+3} f(x)^3 dx = 27$ → 2-3 → Integration
→ length 24 times
Time period
will?
- $-\cos Q = ?$ cosine
sine
- tan θ will if height
→ angle of elevation of height = 100m
shadow of 175.2m
- slope of $x = -$
→ unit vector
- $\begin{bmatrix} + & + \\ - & - \end{bmatrix}$
- positive c
→ y on
axis
for



Date:

□□□□□□

DAY:
 MON TUE WED THU FRI SAT
 SUNDAY

28. If 97 is n^{th} term of sequence 2, 4, 6, ...
 Then n^{th} term is - ?

29. Which one is neither G.M nor A.M.
 (1) ?.

30. An infinite series were given and
 we had to find sum.

31-32. Two more MCQs from this chap.

33. The term which is independent of
 x^2 in $(x^2 - 1)^7$ is -

(1) No term exists (2) None (3) ?.

34. The probability of selecting
 11 players out of 15 players
 in which captain must include is :-

35. Two more que. related to above

36. In Corrcct:-

(1) $\cos^2\theta = 1 - \sin^2\theta$ (2) $1 - \tan^2\theta = \sec^2\theta$ (3) $1 + \cot^2\theta = \operatorname{cosec}^2\theta$

37. So $\sin\theta = 2\sin\alpha$ then $\theta = ?$.

38. If $a=38$, b = hypotenuse is 30 then
 circumradius is ?

(1) 17 (2) 16 (3) 34 (4) None

39. The area is given and a, and
 b sides are given then $\sin\gamma = ?$

Checked by:

Excellent Good Need Improvement

(14) Sum of

$$2+4+6+\dots +2n =$$

(15)



If $\alpha=2$ find perimeter
of triangle.

(16) WOT is true?

- (a) Domain of function is \mathbb{R}
- (b) Domain of function is \mathbb{R}^+
- (c) Range of function is $\{-15, 15\}$
- (d) ACD

(17) For function, if $0 < x < 10$
WOT is true?

- (a) function has some points not existing
- (b) function has a critical value.

(18) The ratio of $64, -32, 16, -8$ is

(19) The ratio of $1, 0.1, 0.01, \dots$ is

(20) If $y = \frac{\ln x}{x}$ and x is very small but +ve then

- (a) a positive number
- (b) a small number

(21) $\lim_{x \rightarrow \infty} \frac{1-x}{x}$

$$\lim_{x \rightarrow \infty} \frac{e^{2x}-1}{x}$$

(22) $f(-x) = f(x)$ then

(a) f is odd

(b) f is even

(c) f' is odd

(d) f' is even

(e) Both a & c

(f) Both b & d

(23) (S, \star) represents

(a) ordered pair

(b) binary relation

(24) If S is relation b/w

$A = \{1, 2, 3, 4\}$, $B = \{a, b, c, d\}$

$S = \{(1, a), (2, b), (3, c), (4, a)\}$

then S is ?

(a) function

(b) one-one function

(c) onto function

AA

facebook.com



Write a comment...

2) C Trump goes about 15
20 \rightarrow 15/15 \rightarrow $\boxed{1}$

3) In Ex many rel
1) \rightarrow $\boxed{1}$

2) $V = 100 \text{ V}$, $C = \boxed{?}$, then energy flow?

11, 30, 31) $R = \rho \frac{L}{A}$ (S. to ohm's law 30, 31)

32) $F = I L B (\text{normal})$

33) If no of turn of coil increases, then B?

34) If area of coil is increased, then B?

35) $\lambda = \lambda_0 \sin \theta / 100 \times 67$

then Velocity?

36) $E = 1100 A B$ (generator D.C.) then F?

37) In photo-voltaic cell, when light falls on P-N junction the electron & hole is generated (Scalled S) transfer



Date:

① $\lim_{x \rightarrow 2} \frac{\alpha x^3 + 4}{x - 1} = 8$. Find α .

② $\sec \theta$ is undefined at $\theta =$

- a. $\frac{\pi}{2}$
- b. π
- c. 2π
- d. 3π ~~0°~~

③ $\cot \theta$ is undefined for $\theta = 0$

- a. $\frac{\pi}{2}$
- b. 3π
- c. 0°
- d. 2π

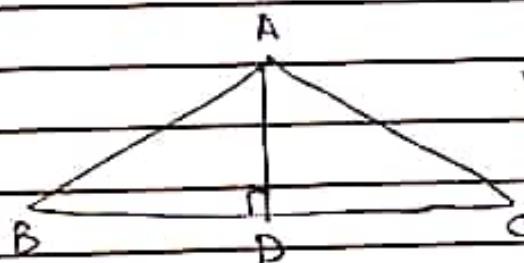
④ The area of triangle is 5cm^2 when two sides are of length 5 cm and 4cm . Then angle between them is.

⑤ If $l_1 = x + ay + c$, $l_2 = ax + y + c$, then a will be — if they are perpendicular.

⑥ The area bounded by $x^2 - 1$ from $x = 1$ and $x = 3$ is
 $\hookrightarrow 3.7(2^{\text{nd}} \gamma)$

⑦ If $A(1, 2)$, $B(3, 4)$, $C(1, 5)$, $D(8, 9)$ for parallelogram ABCD. Find length of \vec{DB}

⑧



If $\angle ABC = 60^\circ$, $\angle BCA = 60^\circ$
 $AB = 6\text{cm}$

Then find \vec{AD} :

⑨ If the exterior angle of B $\angle B = 8120^\circ$ and
 and $\angle C$ is 30° then $\angle A = ?$ for a triangle ABC

⑩ Determinants of three by three $\rightarrow 9, 4, 5$ Qs from

Date: _____

(30) Two body of 1 ton and 2 ton are moving in a circular path. The force that causes to the mass of 1 ton is

- a. less than that of 2 ton
- b. more than that of 2 ton
- c. same as that of 2 ton
- d. None of these

(31) If frequency of a wave is doubled then its momentum would be _____.

(32) If the velocity of a body is increased by 25%, then its K.E increases by _____

ans

(33) If the K.E increases by 50%, then the increase in work done is _____.

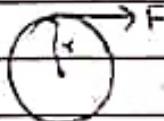
(34) The work done by a body of mass 5 kg at a height 10m for 10 sec is _____.

(35) The product of 3.056 and 3.15 is 9.6264. The no. of significant figures in it are

- a. 2
- b. 2
- c. 3
- d. 4

(36) For the given body, if direction of force is reversed, then direction of torque become

to counter-clockwise
direction



an also rotates to

- a. counter clockwise
- b. clock wise
- c. None of these

Date: _____

- (10) Which of the following transistors can be possibly used?
i - NPN transistor ii - PNP transistor
a. I only b. II only c. Both I and II

- (11) Most Intrinsic semiconductors have
a. electrons b. holes c. equal no. of electrons and holes d. Neither electron nor hole attached with

- (12) The shunt which converts galvanometer to have DC current is
a. Diode b. Resistor

- (13) The efficiency of heat engine is given by
a. w b. $\frac{Q_1 - Q_2}{Q_1}$ c. $1 - \frac{Q_2}{Q_1}$ d. All of these

- (14) At which place the simple pendulum will have the lowest frequency.
a. Lahore b. Karachi c. Murree d. Mount Everest

- (15) The electric potential of a charge $4 \times 10^{-8} C$ at a distance 4 cm is
a. -9000 N b. -7000 N

- (16) The visible light spectrum range lies between
a. 7000 A to 4000 A
b. 4500 A to 3000 A

- (17) For an isobaric process, if $P = 10 \text{ Pa}$ and $\Delta V = 20 \text{ m}^3$ and heat content of internal energy of system is 10 J . Then heat supplied to system is ____.

8. $\lim_{n \rightarrow \infty} \left(1 + \frac{3}{n}\right)^{2n} ?$

- a) e^6 b) $e^{5/2}$ c) $e^{2/3}$ d) e^2

Two more questions related to limits and types of functions.

9. $\int \frac{1}{x \ln x} dx$

- a) $\ln(\ln x) + c$ b) $\ln(x) + c$ c) $\ln(\frac{1}{x}) + c$.

10. A point (x_0, y_0) (Some values were given which I don't remember) lies on, below or above $ax_1 + by_1 + c = 0$?

11. At least 4 questions were from conics of the type:-

eccentricity of ellipse

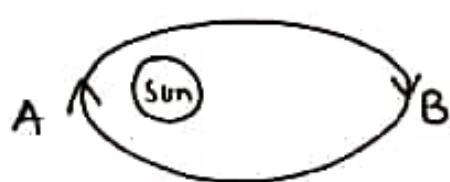
Major axis of ellipse All were from Focus " "

Latus rectum " "

12. If a vector is a and another b then what is the projection of a on b

\Rightarrow Physics

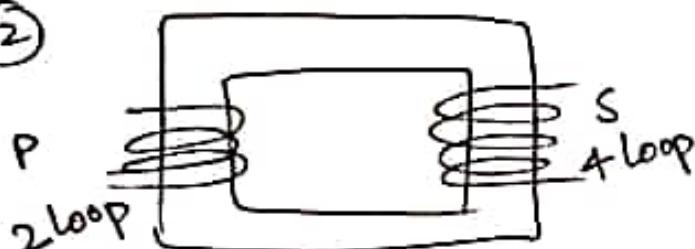
①



If a satellite move from A to B
then

- (a) K.E and speed increases
- (b) K.E \propto V decreases
- (c) K.E increases V decreases
- (d) K.E increases V decreases

②



V = Given

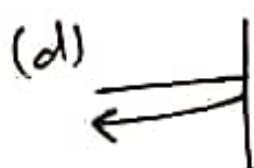
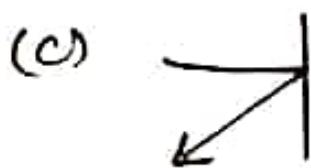
R = Given

find I in resistor in Secondary coil

③ (Optics) \Rightarrow Find fusing spaces

④ Prefixes \Rightarrow pico, nano \approx giga

⑤ α - particle \Rightarrow gold sheet foil



(6) Find Impulse

A.C in rectifier diode

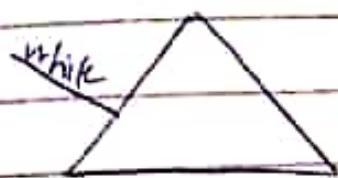
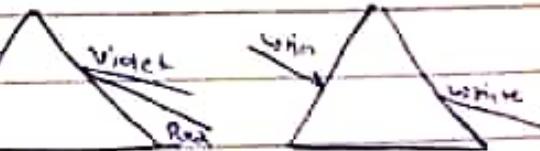
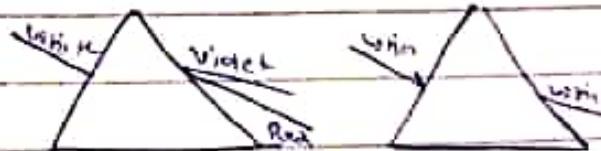
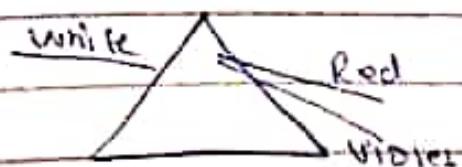
7)

(a) graph

(b) graph

"

a.



? which one is correct

10. If the light waves are converged back from a mirror then what is the position of the truck?

(One more question from light chapter)

11. Which of the following quantity is most intensive?

12. If a burner takes current $I =$ and has resistance R then how much electrical energy it consumes in time t ?

13. What is the correct representation of the relation b/w resistance R and length at constant temperature?



Date:

□	□	-	□	□	□	□
---	---	---	---	---	---	---

DAY:

□	□	□	□	□	□	□
M	T	W	T	F	S	

17. Area (lame) of parallelopoid is

 $\rightarrow \rightarrow \rightarrow$ is + then $d = ?$ 18. $i \times (j \times k) = ?$

- ① 1 ② -1 ③ 0 ④ None

19. $i \cdot (j \times k) = ?$

- ① 1 ② -1 ③ 0 ④ None

20. If $a = 2i + 3j - 4k$, $b = di + ej + fk$ are perpendicular then $d = ?$ 1. The real part of $(4+i)^2$ is ?.2. The absolute value of $\frac{1+i}{3-i}$

$$(c \cos 60^\circ + i \sin 60^\circ)^2 = ?$$

Which one is equal to Universal set?

- ① AUA ② AND ③ AUU ④ None

21. If $A = \{1, 3, 4, 2\}$, $B = \{2, 8, 5\}$ then
 $ANB = ?$

- ① $\{2\}$ ② 2 ③ $\{1, 5\}$

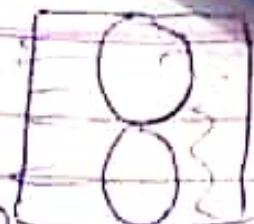
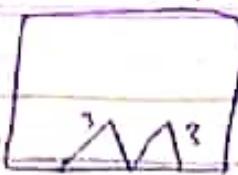
22. $A = \begin{bmatrix} 8 & 2 & -3 \\ 1 & 5 & 3 \\ 6 & -1 & 3 \end{bmatrix}$ is singularthen $d = ?$ The H.M. b/w $\frac{1}{2}$ and $\frac{1}{8}$?

Checked by _____

Excellent Good Need Improvement

6/8/2020

Today NET Morning



↳ 5 MCQs like →

Finding Area
of shaded
Region

↳ $a^{\sqrt{n}} \Rightarrow ?$

↳ sum of interior angle = sum of exterior Angl.
Find No of sides.

↳ $\sum_{n=1}^{\infty} (-1)^n n^n \rightarrow$ Q. Series \leftarrow (about Four) MCQ Just Practise it.

↳ > 20,000 Find 5 digit number ~~egs~~ 0, 2, 3, 5, 8
Repetition Not Allowed.

↳ $\cot\left(\frac{1}{1+\tan^2}\right) = ?$

↳ The maximum function is : where Definition

↳ Taylor series of $\ln(1+x) = ?$

↳ $\int \frac{5x-a}{x^2-a^2} dx = ?$

↳ Inequalities \rightarrow 5-6 - Question

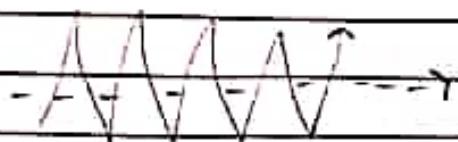
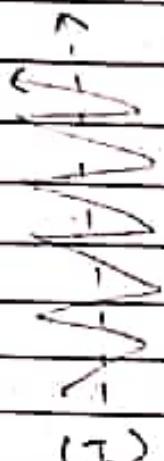
↳ piece wise function \rightarrow 3 - MCQ

Date: _____

- (25) For a closed organ pipe what will be the frequency if ...

$$\rightarrow f = \frac{v_n}{4L} \text{ using this formula.}$$

- (26) Which of the following wave is longitudinal.



(II)

(I)

where \rightarrow = direction of propagation

\longrightarrow = direction of disturbance of medium

- a. I b. II c. Both I and II d. Neither I nor II

\rightarrow \rightarrow ME + I as well

- (27) If frequency is same and intensities are different such that $I_1 > I_2 > I_3$, then their stopping point lengths will be

- a. $v_1 > v_2 > v_3$ b. $v_1 < v_2 < v_3$ c. Remain constant

- (28) Which of the following has same dimension as v^2/γ ?

- a. acceleration b. momentum c. Force d. All of these
of the coil

- (29) The emf induced due to change in magnetic flux is.
- a. Self Inductance b. Mutual Inductance

Date: _____

(37) For a -fully discharged capacitor, the charge stored during $2RC$ is

- (a) 63%. (b) 32%.

(38) The charge on bottom quark is

- (a) $-2/3e$ (b) $-1/3e$ (c) $+e$ (d) $1/3e$

(39) The atmosphere is held with the planets due to
(a) gravitational force (b) electromagnetic force
(c) Nuclear weak force (d) Nuclear strong force

(40) $V = mL\lambda \rightarrow 3$ M.O.L from this formula

(41) The magnetic flux through area of 4 cm^2 when magnetic field is $2i + 3j + k$ is _____.
don't remember coil statement

(42) The sensitivity of galvanometer is called
a. Current sensitivity b. Voltage sensitivity
c. Resistance sensitivity d. none of these

(43) The momentum of two bodies is p and $2p$. The ratio of their frequencies is
a. $1:2$ b. $2:1$ c. $1:1$

(44) The unit of power in British Engineering System is
a. horse power b. watt or

(45) ^{160}Yb Mass defect of which of the following is greatest?
a. Th_{90}^{232} b. U_{92}^{238} c. H_1^{2} d. Fe_{56}^{56}

18. The energy of sound waves is proportional to:-

- ① Frequency
- ② wavelength
- ③ velocity
- ④ None

19. Out of phase, when waves meet at a point then

- ① Full constructive interference
- ② no effect
- ③ Some phase
- ④ Full destructive interference.

20. Which is correct when waves transverse incident on denser medium:-

- ① 
- ② 
- ③ 
- ④ 

21. Which one is vector quantity:-

- ① kgms^{-1}
- ② kgms^{-2}
- ③ kg

22. If mass is doubled, spring constant is doubled then Time period is?

- ① constant
- ② Doubled
- ③ half

23. The SI unit of Magnetic Torque:-

24. The Electric field is:-

- ① Scalar field
- ② Vector field
- ③ Both
- ④ None

25. If $F = 10\text{N}$, $d = 6\text{m}$ and $\theta = 30^\circ$ Then

C.U.?

- ① -20J
- ② 20J
- ③ 40J
- ④ -40J

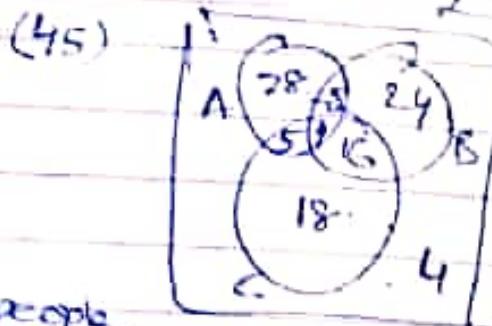
(42) If $\sin \theta = \frac{3}{5}$
Then $\cos^2 \theta = ?$
 $\therefore 180^\circ < \theta < 360^\circ$

(43). Write $\cos(-\alpha)$ in terms of \sin

- (a) $-\sin \alpha$ (b) $1/\sin \alpha$
(c) $1/\cos \alpha$ (d) $\cos(-\alpha)$

(44) If $\begin{bmatrix} 2 & 4 & 5 \\ 1 & 3 & 2 \\ a & b & 5 \end{bmatrix}$ is singular
then find $a+b$

- (a) 1 (b) -1



people like A, B, C like any two
find number of people liking
at least one tea out of 100

(46) What is not mutually
exclusive events?

- (a)

$$(47) \begin{cases} 12x^3 - 15x^2 + 24x - 15 \\ 3x^4 - 5x^3 + 12x^2 - 15x \end{cases} = ?$$

- (a).

(18) Find vertices of chord
of contact of circle.
 $x^2 + y^2 = 21$ if \angle ~~is~~
is tangent drawn from $(-1, -1)$

(19) If $y = x^2$, $x=1$ and
 $dx=0.1$ find dy .

$$(20) \sum_{k=1}^{\infty} \frac{3}{10^k} = ?$$

(21) If a line passes
through $(3, 4)$ then
tangent of angle at
point is

(22) If $(4, 0)(0, 3)(0, 0)$

are vertices of triangle.
then triangle is

- (a) right triangle
(b) right isosceles
(c) Isosceles.

(23) Equation of
line parallel to
in axis at

- (a) $x=d$
(b) $y=d$
(c) $y=-d$
(d) None

a) if we go 6400 km south then $T = ?$

- a) 9.8°C b) 0.9°C c) 920 d) 98°C

v) Hyper to answer about nature of light

- a) Same b) different c) both classic

w) Damping is a process in which?

x) 2 wave travelling in same direction & same frequency are?

y) light wave one follow particle nature theory

a) transverse in nature

b)

c) very small λ

~~d) all of the~~

z) we get order of which to double fringe 'beam'?

aa) double slit

15) $T = 5^\circ\text{C}$, $P = 1 \text{ atm}$ & $V = \boxed{}$

$T = 7^\circ\text{C}$ $P = \boxed{}$ & $V = ?$

→ If \rightarrow elasticity spring

opt in atg

→ $x^2 + c$, then area from $n=1$ to
 $x=3$

Remember Me in your
Prayers!

Physics Net III.

- Physics Net III.

(i) If $|A| = 10$ $|B| = 10$ $\theta = 60^\circ$ Then $\vec{A} + \vec{B}$ is

(ii) If $\vec{A} + \vec{B}$ is vector in place then
vector perpendicular to both vectors.

(iii) The number of significant figures in 0.0001
are

(iv) The number of significant figure in 0.7825

(v) The value of 0.905 can be approximated as
 (a) significant (b) non-significant (c) not to decimal.

(vi) By formula $T = \frac{2\pi}{\omega}$. Find (vi)

Find T if $F = 1000$ N, $m = 10\text{kg}$, $v = 5\text{m/s}$
 $(F = m\omega^2 r)$

(vii) Find value of $n = ?$
 $t_s = n^2 0.33\text{ s}$ $t_s = 4(0.33) = 1.32\text{ s}$

(viii) Law start for

(ix) Given $\lambda = 0.052\text{ nm}$ $C_60 = 60^\circ$
 $\lambda = ?$

(x) Red mass of photon = ?

(xi) Isotopes of cesium = 36.
 i) radioactive ii) 19.6. Part c.



Comment



Write a comment...

\rightarrow Product of complex numbers
 $\rightarrow z = (\cos \theta + i \sin \theta)^n$ \rightarrow which convert light to electrical energy?
 $x = \pi/4 \approx \pi$, absolute value of z
 $\rightarrow \frac{(2n+1)!}{(2n-1)!} \rightarrow \sum_{n=0}^{2n} n^2 z^n ?$
 $\rightarrow (2n+1) \rightarrow \sum_{n=0}^{\infty} n^2 \rightarrow \frac{1}{0} \cdot \frac{1}{3} \cdot \frac{1}{5} \dots$

\rightarrow Presence of Dielectric wif?
 \rightarrow If 3 identical P in series, what will be current?
 \rightarrow if V_1 one terminal of $6V$ & $4V$
 if resistor attach to $6V$ & $4V$ then?
 $+ve$ $-ve$ $+ve$ $-ve$

\rightarrow if a perimeter is 100cm of rectangle then possible large number will?

- a) 23, 25 \rightarrow Area of parallelogram given by
- b) 40, 1
- c) 69, 10

$$= A \times B$$

$\rightarrow E = vt?$ when?

NET - 3 (29th June morning).
MCQs

$$\text{Q}_1 = \frac{1}{4}$$

Maths

(1) Which of the following is true?

(i) $z_1 = z_2 \Rightarrow z_1^2 = z_2^2$

(ii) $z_1 - z_2 \geq z_1 \geq z_2$

(iii) I only (iv) II only

Both I & II (v) Neither I nor II

(8) If $P(A) = 0.3$, $P(B) = 0.7$,
 $P(A \cap B) = ?$

$$\frac{3}{4} + \frac{1}{3} + 1 = 0.45$$

distance from point (x_1, y_1)
to line is?

(9) $\log(\cos \theta + i \sin \theta)^n$

$$if \theta = \pi/4, n=14$$

find imaginary part of z .

(i) 1 (ii) $\sqrt{3}$ (iii) 4 (iv) $\pi/11$

3) If $\theta = \pi/6$ additive periodicity
of $2 - \pi/3$ is? universal

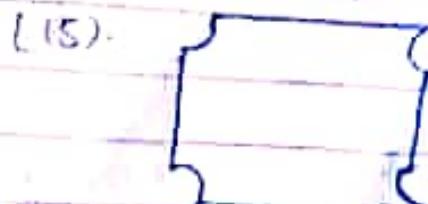
(10) The 11th term of
A.P.

(10) if $a_1 = 1$, $a_{n+1} = 2(a_n + 1)$
then find $a_3 = ?$

$$(12) \sum_{n=3}^{3p} n = ?$$

$$(13) \sum_{n=2}^{20} n = ?$$

(14) Area of triangle K .
These vertices were given.



Area of the square.

If area of complete square = 16
and side of $\Delta = 2$ area.

Sum of the areas of
remaining regions

$$\sin(\frac{3\pi}{2} - \theta) = ?$$

$$\sin \theta + \sin \phi = ?$$

Number drawn from

20. Probability

getting 4 slips

of 4?

$$(28) \text{ If } \frac{x^2}{4} + \frac{y^2}{9} = 1$$

then one focus = ?

(29) The asymptote

of (Hyperbola) equation $\frac{x^2}{a^2} - \frac{y^2}{b^2} = 1$

(30) If $x^2 = 4ay$ then
eq of direction.

(31) If a plane cuts
a cone parap to axis
then conic is?

- (a) Circle (b) Ellipse
- (c) Hyperbola (d) Parabola

(32) For general eqn:

$$ax^2 + by^2 + 2gx + 2fy + c = 0$$

a & b represents

and a & b have
opposite signs?

Represents.

(33) Same ans

(34) Same Questions

as (32) only
diff. conditions

(35) $\int \tan x dx = ?$

(36) $f'(x)$ of $\sec x$ at
 $x = \pi$.

(37) If $f(x)$ of
 $\cos x \sin x = 0$
then $x = ?$

$$(a) \pi/2 \quad (b) \pi/4 \quad (c) \pi/3$$

(38) For what value of
k, two lines are
perpendicular.

Two eqns given

(39) If end points of
diameter are (-1, 3)
(-1, -1) then find radius
and center.

(40) Value of $10^\circ 40'$
in radians?

$$(a) 0.184775$$

$$(b) 0.1872 \quad (\text{Difficult})$$

$$(c) 0.181$$

(41) What is fundamental
law

$$\cos 15^\circ = \cos 45^\circ \cos 30^\circ + \sin 45^\circ \sin 30^\circ$$

$$(b) \dots$$

Physics

1. if $E = T \omega^2$
 where $E \rightarrow$ Energy
 $T \rightarrow$ Moment of Inertia
 $\omega \rightarrow$ angular frequency
 find a ω in
 (a) $kg\text{m}^2\text{rad}^{-2}$
 (b) $1.2 \text{ kg m}^2 \text{ rad}^{-2}$
- (c) Unit of Moment of inertia
 (d) Very funny:
 Unit of moment of inertia
 SI system
- (e) unit of Electro field
 (a) V/m
 (b) $\frac{kg\text{m}}{C^2}$
 (c) $\frac{kg\text{m}}{A^2}$
 (d) A/C
- (f) not has shadow wavelength than violet colour
- (g) $v = \lambda f$
 (a) km s^{-1}
 (b) m s^{-1}
 (c) m m^{-1}
 (d) m m^{-2}
- (h) $v = \lambda f$
 (a) m s^{-1}
 (b) m m^{-1}
 (c) m m^{-2}
 (d) m m^{-3}
- (i) $I = \text{moment of inertia}$
 (a) kg m^2
 (b) kg m^2
 (c) kg m^2
 (d) kg m^2
- (j) Thermal motion of molecules is
 (a) Vibrating (b) Translating
 (c) Random (d) Heat
- (k) Resistance has function
 (a) $R = \rho A$
 (b) $R = \rho \frac{L}{A}$
 (c) $R = \rho \frac{A}{L}$
 (d) $R = \rho L$
- (l) $I = \text{moment of inertia}$
 (a) kg m^2
 (b) kg m^2
 (c) kg m^2
 (d) kg m^2

Q) 10 men & 6 women, in how many ways a Committee of 5 is formed to include 4 women

Q) $\sum_{k=1}^{\infty} \left(\frac{-1}{3}\right)^n$, the sum of series ? is diverge?

Q) If (n) is factor of $n^2 - n + 3n^3 + n^2 + 1$, then other factor is?

Q) Which one of following is not discrete.

- a) atomic
- b) factor
- c) matter

Q) CFC & , which one is Pollutant

Q) weak acid can be converted by adding

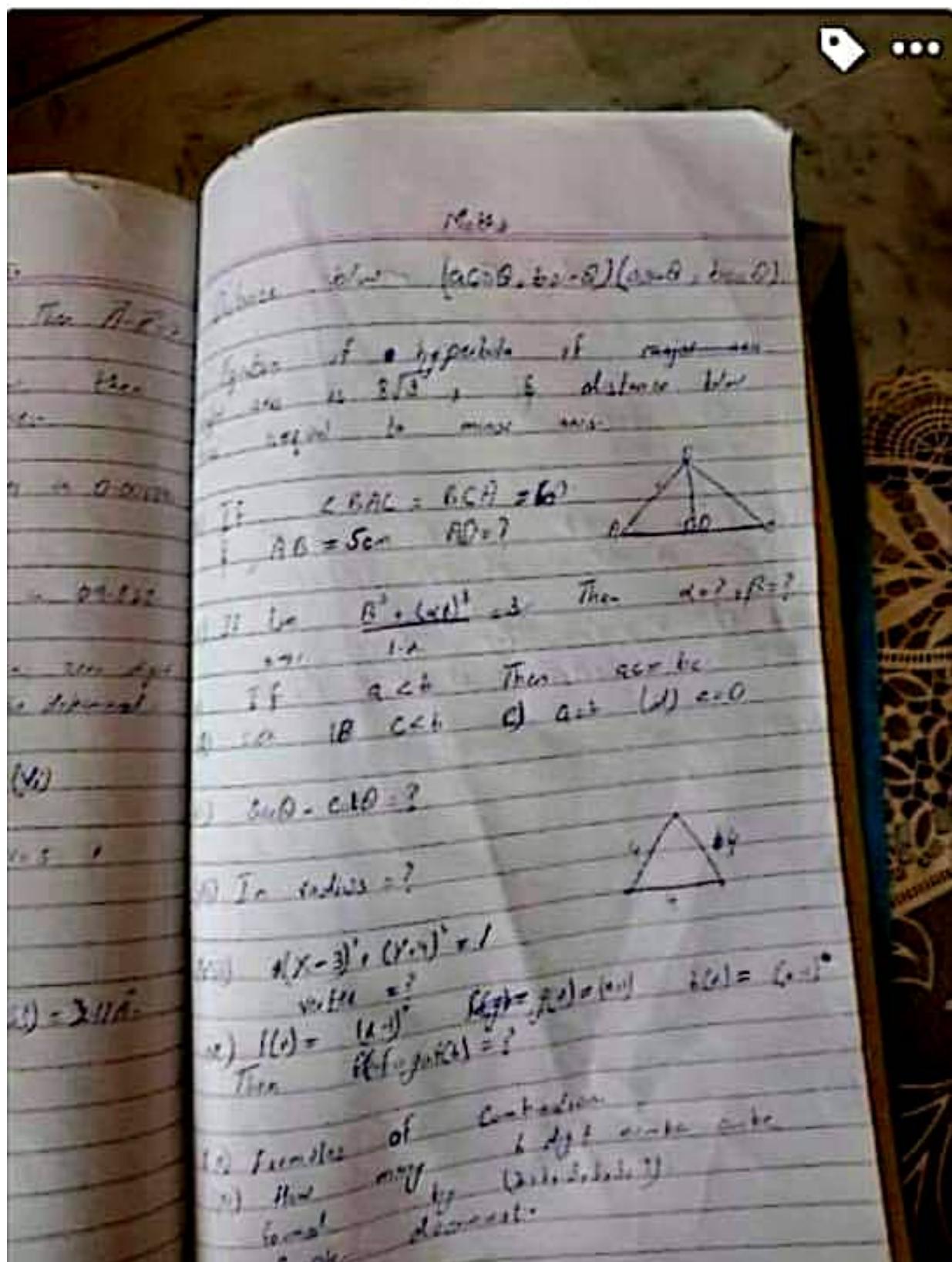
Q) H-F, H-Cl, H-I, H-Fr, High bond energy

Q) effusion done only by

- a) liquid
- b) solid
- c) gas

Q) Kc never by

- a) O
- b) H^-
- c) H^+



Like

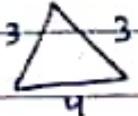
Comment



Write a comment...

Maths Postion

1) $\left(\frac{x-1}{x+1}\right)^2 + \left(\frac{x+1}{x-1}\right)^2 = \underline{\quad}$

2)  Area of triangle = ?

3) $2x^2 + 4y = -5$ and point (4, 5)
Find equation of normal.

4) $\frac{x^2}{16} - \frac{y^2}{9} = 16$ Find eccentricity.

5) $2x^2 - 6x + 2y(y+3) - 50 = 0$

This is the equation of
(circle) ✓

6) Multiplicative inverse of unit
Complex Number is.

- a) (1, 0) b) (0, 0) c) does not exist.

7) Find angle whose radius of circle is 30cm and circumference is 60cm. ?

8) $a_{n-2} = 3n - 11$ Find the
 n^{th} term.

- a) $3n - 5$ b) $3n - 4$ c) $3n - 2$ Me @
not confirm

9) Find the equation. y-intercept = y-axis nahi
and slope = y-axis nahi.



- (25) If frequency of a wave is constant then wave and tension waves are (a) equal (b) same as greater (c) great (d) none
- (26) If $R_1 < R_2 < R_3$ then what is the connection between I and V ? (a) $I = V/R_1$ (b) $I = V/(R_1 + R_2)$ (c) $I = V/(R_1 + R_2 + R_3)$

- (27) If amplitude of harmonic changes from $\frac{1}{2}$ to 4 , then max acceleration at $x=0$ is (a) $\frac{1}{4}$ times (b) $\frac{1}{2}$ times (c) 2 times, (d) $\frac{1}{2}$ times
- (28) If two forces are equal and resultant is also equal then angle b/w them is (a) 0° (b) 45° (c) 90° (d) 180°

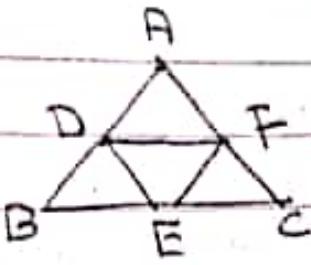
- (29)
- (a) Increases (b) Decreases (c) Remains same (d) None
- (30) If $v = v_0 e^{-kt}$ then k is (a) v_0/v (b) v/v_0 (c) v_0/v^2 (d) v^2/v_0

- (31) If mass is reduced to half and volume is doubled then pressure is not constant then? (a) 4 times (b) 16 times (c) 2 times (d) Remains same
- (32) If $a = m \alpha \sin \theta$ then $P.E.$ is (a) Increases (b) Decreases (c) Remains same (d) N.D.T.

- (33) If ball stopped it will fall in 10 m after 10 s. Many seconds

Maths

1)



Q) If $\triangle ABC$ is a triangle whose area is 24cm^2 , D, E, F are midpoints of sides, then ratio of $\triangle ABC$ to $\triangle DEF$ is

2) The angle of $\sqrt{8}i + 3\sqrt{2}j$ with +Y axis?

3) Two components of vectors are 10N & moving 60° .
The value of resultant is

4) $i \cdot (j \times k) / (k \cdot i)$

5) When we accelerate car on, then force which acts like light is?

- a) tires friction b) Normal to road c) air friction

6) $v_i = 7, v_f = 5, t = 2, m = 2$, then rate of doing work

7) If we double the mass of earth then escape velocity?

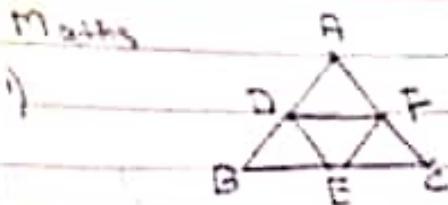
8) If angular velocity (w) is out of page, then direction of motion when we see from up?

AA

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Maths



Q) If $\triangle ABC$ is a triangle whose area is 20cm^2 , DF is mid-point of Side, then $\text{Area of } \triangle ABC$ is 10cm^2

2) The angle of $\vec{F}\vec{A} + \vec{F}\vec{C}$ with $+Y\text{-axis}$?

3) Two Concert of waves are 10N & moving 6m .
The value of Resultant is

$$= \sqrt{(6^2 + 6^2)} = \sqrt{72}$$

4) When we calculate G.F in there force which action left
is?

- a) Friction b) Normal to road c) air friction.

5) $v_i = 7, v_f = 5, t = 2, m = 2$, then rate of doing work

6) If we take the moon of earth then escape velocity?

7) If angular velocity (ω) is out of page, then direction of motion when we see from UP?

Like

Comment



Date:

□□□□□

DAY:

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MTWTF

26 Which one consumes more heat?

i. 60W bulb in parallel

ii. 60W bulb in series

① i ② ii ③ same ④ None

27 If voltage becomes four times then wavelength?

① half ② Double ③ $\frac{1}{4}$

28 If Compton shift = $\frac{1}{2}$ Compton wavelength
Then $\theta = ?$

① 60° ② 30° ③ 90° ④ 120°

29 In a Heisenberg Principle

① Position & Momentum cannot be measured accurately of subatomic particle
② " " of electron ③ we can be measured accurately

30 Angular velocity is:

① $2\pi T$ ② 2π ③ 2π ④ None

31 If $r = 6m$ and $u = 2m/s$ then

$v = ?$

32 Q. Two questions was related to direction of current using Right Hand Rule

→ 2 Ques from Coding Decoding.

→ ε? if No of turns = 100, $\phi = 2\pi \times 10^{-7}$ what
in 0.02 s?

→ if string stretch 0.02m, mass M
hung on it then frequency
will, in SHM

$$2\pi\sqrt{\frac{y}{g}} + \sin y = 3$$

value of y or $\sin y$

→ Product of matrix → MCQ -
ans on page 6

→ Inverse of matrix Ans

→ F = 100N, Velocity will?, ~~mass m=10 kg~~

→ 3π rad = ? degree

→ 1 degree radian = ?

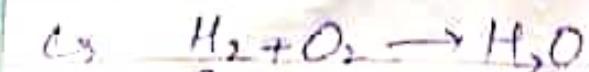
→ If X come from one side of Y from
opposite side, such that its
shadow lies on left side
of X then what will be
the facing? → north
south
west
east

Date: _____

NET (SERIES-3) MCQs PHYSICS

- ① For a particle $A = E/c^2$ where E = energy of particle and c = speed of light. Then the dimension of A is _____.
- ② The acceleration of a body at maximum height is
a. maximum b. minimum c. zero d. constant
- ③ Range of projectile is:
a. time in which it completes its motion
b. distance travelled from point of projection to back on ground
- ④ Volume of a solid cylinder of radius 5m and height 10m is _____.
- ⑤ Which is NOT a nonconservative force.
a. Friction force b. Normal force
c. Tension in string d. None of these
- ⑥ A body performs SHM motion. For it $x(t) = A \cos(\omega t)$.
where now A = amplitude, x = displacement, and $\omega = \text{const}$.
If $x = 100 \text{ cm}$ and $A = 45 \text{ cm}$ then find θ in degrees.
a) 0.6 b) 0.8 c) 1 d) 1
- ⑦ A body oscillates about its mean position. The distance at which its P.E is equal to its K.E is _____ of the maximum displacement of the body.
a. Half b. doubled c. tripled d. remain same.
- ⑧ Black body curves are described completely by
a. Newton's formulation b. Planck's theory
- ⑨ Wheatstone bridge is made of _____ resistors
a. one b. two c. three d. four

shouldn't.



Reaction occurs in ① $\frac{1}{2}$ sec & ② 1 sec
second ③ 1 week.

↳ If vapour pressure greater than Raoult's law
then → optim ① positive ② negative
③ Neutral

↳ Find least No of molecules =?

↳ Which one of elements in halogen
is most reactive =?

↳ Enzyme are in nature =?

↳

Physics

↳ Dimension → 5 - MCQs

↳ If A 8N force acts in positive
 y -axis, negative x -axis the angle with
 x -axis is 60° find x -axis.

→ 5 - MCQs Just like it

only angle and value of force
changes.

↳ When two projectile in fixed their mass
velocity were same find their velocity
when they collide.

A) v ② $2v$ ③ $\frac{v}{2}$

Q

- (17) more has isotopes
 (a) He (b) Li (c) H (d) Al
- (18) If energy of photon is $2eV$ and stopping potential is $2V$ then work function is
 (a) $2eV$ (b) $4eV$ (c) 0 (d) $1eV$
- (19) Work in complete equilibrium condition
 (a) 1st law of ce. (b) 2nd law of ce.
 (c) having surroundings (d) both A & C
- (20) If $e =$ jumps from an orbit to lowest orbit then change in total energy is
 (a) zero (b) $h\nu$ (c) $2h\nu$ (d) $h\nu$
- (21) An alpha emitting nucleus decays with kinetic energy due to motion of
 (a) electrons (b) protons (c) neutrons (d) photons
- (22) Work in constant rotation
 (a) $mR^2\omega^2$ (b) $\frac{1}{2}mR^2\omega^2$
 (c) $mR^2\omega^2$
- (23) Work in absolute quantity is exactly
 (a) position (b) velocity
 (c) force (d) none
- (24) Increasing order of resistivity is
 (a) Graphite Copper Silver
 (b) -
- (25) Resistivity of Gold
 (a) $10^{-8} \Omega m$ (b) $10^{-6} \Omega m$
 (c) $10^{-4} \Omega m$ (d) $10^{-2} \Omega m$
- (26) Position is called
 (a) Induction (b) Antiparallel
 (c) parallel (d) A.S.O.
- (27) Charge is moving in
 (a) Conduction (b) Diffusion
 (c) Radiation
- (28) If r is distance between two charges
 (a) $\frac{1}{r}$ (b) $\frac{1}{r^2}$ (c) $\frac{1}{r^3}$ (d) $\frac{1}{r^4}$

Chemistry



- (1) Atomality of atom is?
- No of atoms present
 - Atomic weight
 - Molar No.
 - Atomic No.
- (2) The Atomic weight of dimethyl ketone is
- (3) When ethyl halide reacts with AgNO_3 solution in by-product?
- H_2
 - H_2X
 - HgX_2
 - X_2
- (4) Which of following is colourless gas of xenon.
- XeO_4
 - XeF_4
- (5) Ethyl Alcohol is used for:
- Anti-freezing agent
 - As a fuel
 - Pesticide
 - A.O.O.
- (6) Sigma bond in formaldehyde
- Two bonding orbitals
 - Two antibonding orbitals
 - Bonding and bonding orbitals
 - A.O.O.

- (7). NOT vs not possible
of destructive distillation
of coal?
- coal tar
 - Ammonia
 - Coke
 - Gas
- (8) Enzymes are:
- Lipids
 - Proteins
 - Monosaccharides
 - Polysaccharides
- (9)



Write a comment...

Q) If sum of 4 numbers, in terms of n , is $n^2 + n + 2n^2 + n^2$, then what is the sum of 4 numbers?

A) $\sum_{k=1}^{n+1} \left(\frac{-1}{3}\right)^k$, the sum of series? is correct?

B) If $(n-1)$ is such that $n^2 - n + 3n^2 + n^2$, then other factors are?

Q) Which one of following is not characteristic of water? a) lighter b) faster c) greater

Q) CCC is \square , which one is correct?

1) weak acid can be converted by adding

2) HCl, NaCl, H-I, HF, HgI₂ etc., which is correct?

3) ester can only by

a) $\text{CH}_3\text{COOCH}_3$ b) $\text{CH}_3\text{COOC}_2\text{H}_5$

4) $\text{K}_2\text{Cr}_2\text{O}_7$ by

5) O NO_2 C₂H₅

Like

Comment



Write a comment...

Date: _____

1

- (18) Unit of pressure in electric field strength is
a. Pascal $\text{m}^2 \text{C}^{-1}$ b. $\text{Pa m}^{-1} \text{C}^{-1}$ c. $\text{Pam}^{-1} \text{C}^2$

- (19) A coherent source has

- a. same wave amplitude b. same frequency
c. same phase d. same wavelength

b. magnetic field

- (20) If the coil is rotating and flux linking the coil
is changed. Then the emf induced is

- a. Motional emf b. Transistor emf
c. Both motional and transistor emf

- (21) If a body is moving upwards, its acceleration is
a. increasing b. decreasing c. remain constant

- (22) If a conductor is placed in magnetic field such that
its direction of \vec{B} is towards

- (23) If a particle is moving with speed V & in direction
of west south and the magnetic field is out of
the page. Then the q force is experienced in direction
a. North b. South c. East d. West

- (24) The de-excitation of electrons can occur through
a. spontaneous absorption b. stimulated absorption
c. spontaneous emission d. spontaneous stimulated emission

- (25) If a particle ~~is dissociated~~ having $A = 219$ and
 $Z = 16$ is converted into B having $A = 219$ and
 $Z = 15$ then particle emitted is
a. electron b. proton c. deuteron d. neutron

Q) Slope of vertical line

- a) undef b) 0 c) 90 d) dont remember
(Ans)

Q) $y = x^2 + 2x - 3$ was given and $(x = 2\sqrt{5})$ is root then
Remainder?

a) Sorry dont remember options

Q) $a = 18$ $b = 24$ $c = 30$ find R (circumcircle radius)

don't remember a) 30 b) dont remember
(Ans)

Q) There is a point lying on y-axis and has 3m distance
from x-axis?

- a) $(0, 3)$ (Ans) b) $(0, 4)$ c) $(3, 0)$ d) $(2, 1)$

Q¹⁸) If there is a function showing correspondence

from A \rightarrow B then

- a) one value of A corresponds to one value of B
b) one value A corresponds to two values of B
c) two values of A correspond to one value of B
d) dont remember

Q₁₉) If z_1, z_2 are complex numbers and $z_1 = z_2$
then what happens

that a) $z_1^2 = z_2^2$
b) $z_1 z_2 = 0$ if either $z_1 = 0$ or $z_2 = 0$

- a) both are correct b) only a c) only b d) none
(Ans)

D₂₀) $\sum_{i=1}^5 \left(\frac{1}{i} \right)$

- a) 200 b) 4000 c) 3600 d) none (Ans)

(iii) Determinant of $\begin{bmatrix} 1 & 2 & 1 & 1 \\ 2 & 2 & 3 & 2 \\ 1 & 3 & 3 & 3 \\ 3 & 1 & 9 & 4 \end{bmatrix}$

(iv) Line Slope
 \rightarrow Che

(v) For complete rotation $\theta = ?$
A) 90° B) 180° C) 270° D) 360°

(vi) If $h^2 > ab$ Then it is
A) Circle B) Ellipse C) Straight line D) Hyperbola

(vii) One equation of point $(3, 5)$ is satisfied
in $y = 0$. Then other equation is

(viii) ...

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Date: _____

(10) The distance of point P from line $6x + y + 1 = 0$ is ...

(11) If $\vec{AB} = 5\text{cm}$, $\vec{BC} = 6\text{cm}$ and $\alpha = 30^\circ$ then
 $\vec{AC} = ?$

(12) The vertices of a triangle are A(0, 3), B(1, 5),
C(3, 2) then perimeter of triangle is ...

(13) By Maclaurin series, if $f(x) = e^{-3x}$ then x^9 is

equal to

a. $-(3)^9 \frac{e^{-3x}}{9!}$

b. $(3)^9 \frac{e^{-3x}}{9!}$

c. e^{-3x}

d. $(3)^8 \frac{e^{-3x}}{8!}$

$9!$

$9!$

$8!$

$8!$

(14) Solve by matrix rule ... [Matrix was of order 2×3]

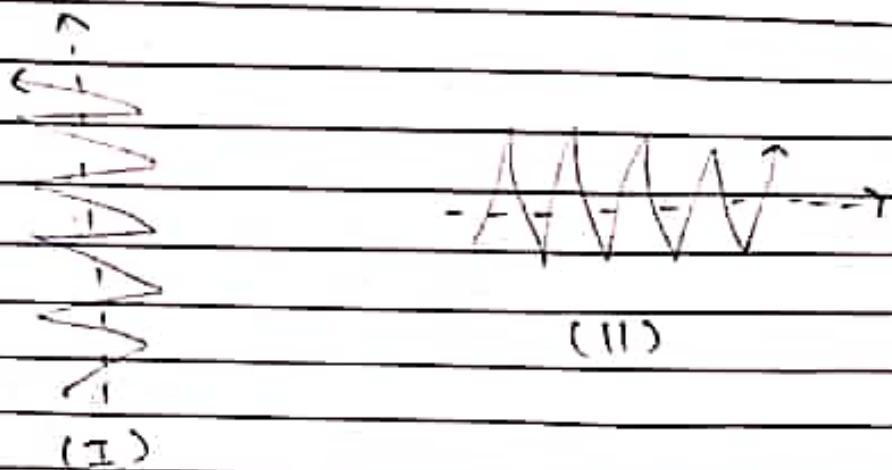
(15) What are the two types

Date: _____

(15) For a closed organ pipe what will be the frequency if ...

$$\rightarrow f = \frac{v_n}{4L} \text{ using this formula.}$$

(16) Which of the following wave is longitudinal.



where \rightarrow = direction of propagation

\longrightarrow = direction of disturbance of medium

- a. I b. II c. Both I and II d. Neither I nor II
+ the PFT-Q as well

(27) If frequency is same and intensities are different such that $I_1 > I_2 > I_3$ then their stopping point lengths will be

- a. $v_1 > v_2 > v_3$ b. $v_1 < v_2 < v_3$ c. Remain constant

(28) which of the following has same dimension as v^2/γ ?

- a. acceleration b. momentum c. Force d. All of these

of the coil

(29) The emf induced due to change in magnetic flux is.

- a. Self Inductance b. Mutual Inductance

Date: _____

(30) Two body of 1 ton and 2 ton are moving in a circular path. The force that causes to the mass of 1 ton is

- a. less than that of 2 ton
- b. more than that of 2 ton
- c. same as that of 2 ton
- d. None of these

(31) If frequency of a wave is doubled then its momentum would be _____

(32) If the velocity of a body is increased by 25%, then its K.E increases by _____

ans.

(33) If the K.E increases by 50%, then the increase in work done is _____

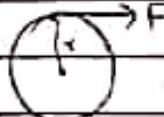
(34) The work done by a body of mass 5 kg at a height 10m for 10 sec is _____

(35) The product of 3.056 and 3.15 is 9.6264. The no. of significant figures in it are

- a. 2
- b. 2
- c. 3
- d. 4

(36) For the given body if direction of force is reversed, then direction of torque become

to counter-clockwise direction



an also reverse to

- a. counter clockwise
- b. clock wise
- c. None of these

10. The mass of electron is:-

- (1) $9 \cdot 1 \times 10^{-27}$ (2) $9 \cdot 1 \times 10^{-31}$ (3) $1 \cdot 6 \times 10^{-19}$

11. The value of permability "M₀" is:-

- (1) $8\pi \times 10^{-9} \text{ Wb/Am}$ (2) $4\pi \times 10^{-7} \text{ Wb/Am}$
 (3) $8\pi \times 10^{-9} \text{ Wb m/A}$ (4) None

12. The depletion region width increases due to:-

- (1) Transistor (2) minority charge carriers
 (3) majority charge " (4) None

13. When semi-conductors doped in --- then they are p-type:-

- (1) penta-valent (2) Trivalent (3) Both

14. In series combination of resistors which remains constant:-

- (1) Current (2) Voltage (3) Resistance (4) None

15. In SHM, which remains constant:-

- (1) Total energy (2) P.T at extreme (3) k.F at mean (4) All

16. If spring constant is 1000, mass is 5 and velocity at $x=10\text{cm}$ is oppo-

- (1) 132ms^{-1} (2) 91ms^{-1} (3) 200ms^{-1} (4) None

17. The specific resistance of Silver is:-

- (1) 1. values

PHYSICS

1. If the length and width of a square are multiplied to give an area 3.004 then what must be the ^{no of} significant figures in width?
 2. The no of significant figures in 6.00?
 3. If the first displacement is 6 and the second is 3 then what can't be their result?
a) 3 b) 6 c) 2 d) 4
 4. If a cart of 6 kg and another with 3 kg collides and then stick with each other if the speed of 3kg cart was 6 ms^{-1} then what was the speed of 6kg cart initially?
 5. If a man is standing on a knoll and throws a ball on a wall 4.5m tall 15m which takes 0.65 seconds to reach then what was the value of x-component at the instant of throwing?
a) 23 ms^{-1} b) 20 ms^{-1} c) d)
- One more question was asked from Forces and motion.

38) On B.P.R.D., the direction of I on emitter

39) $E = mc^2$, $E = \frac{mc}{\sqrt{1-\frac{v^2}{c^2}}} c^2$

\Rightarrow which convert? ;? ;? but?

40) T.R. Vegin not

a) Human b) Duck c) turtle

41) NH₄Cl, no of ionic & covalent bond

42) Green as man & as red as _____?

a) Blood b) Rose

43) [House, Yoof, deer, wd]; Pick
odd man out

44) In x graph, when ^{cut} touch y-axis, its slope =

45) $2.01 + 21.896 = ?$

46 & 47) both from same significant figures, easy off

overall 972 math was easy & phy was hard.
one tip for Physics: PTB Purush Samiti is there on the books

→ Everything in universe is ether,

was given by →

- 1) → Einstein
- 2) → Quantum Theory
- 3) → Special Theory of Relativity
- 4) → Planck

→ PP-

opt

→

→ V double, the a

→ Dimensions of magnetic field in terms
of Joules given

$$\rightarrow \frac{(x-2)^2}{16} + \frac{(y-3)^2}{25} = 1$$

then vertex

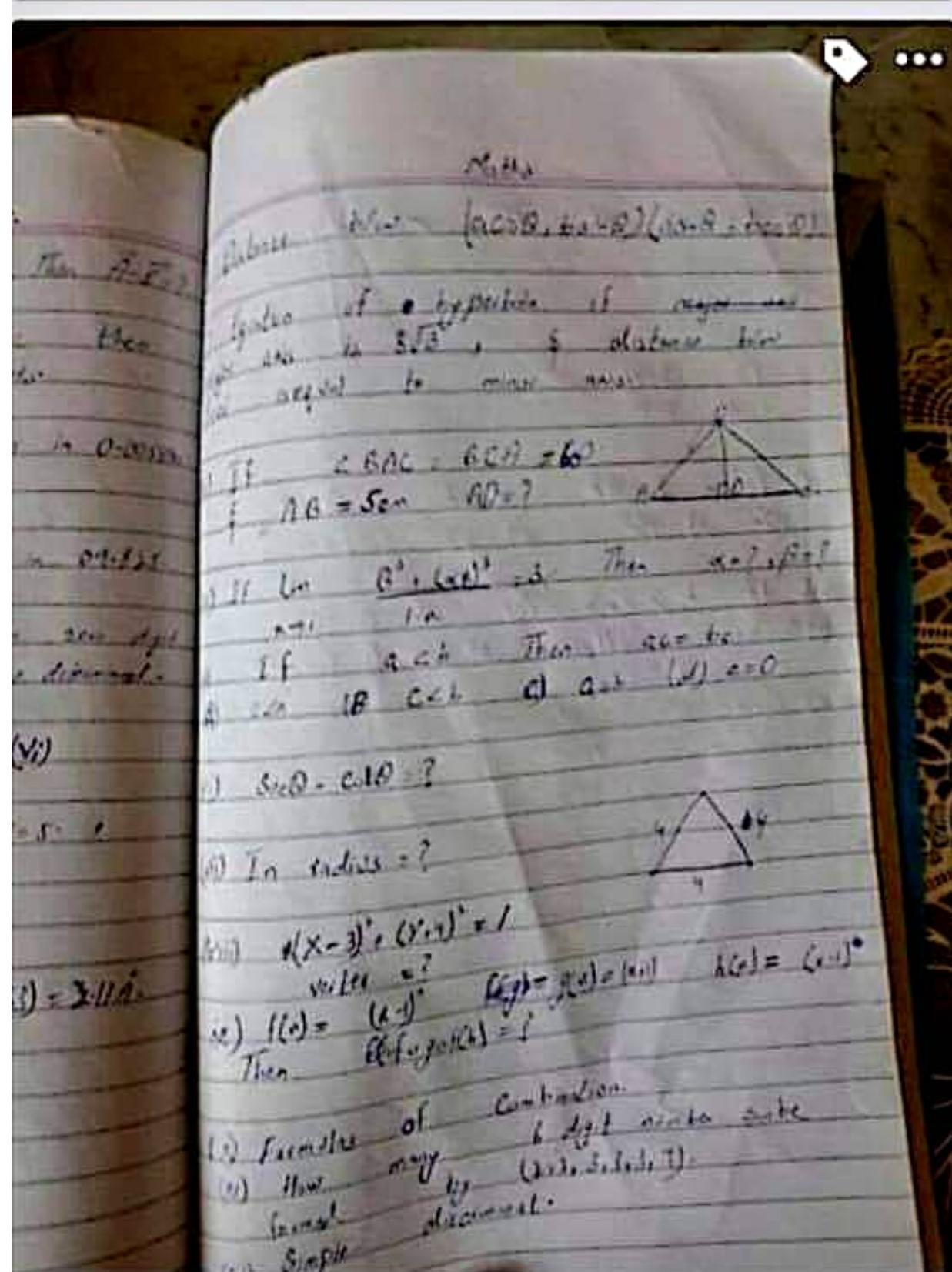
→ an eq given -? what is it

- a) ellipse
- b) hyperbola
- c) parabola
- d) straight

→ which in G.P.?

- ① r^2, ar, r^2s
② q^2, qr, q^2s
③ $r^2s, rs, s+r$

- ④ qr, q^2r, q^3r
⑤ q^2r, qr, r^2



Like

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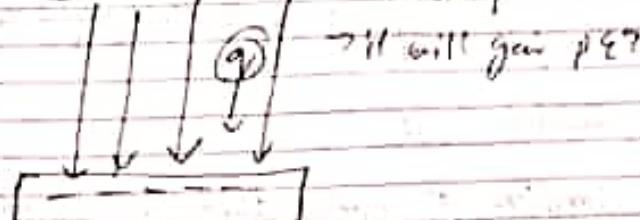


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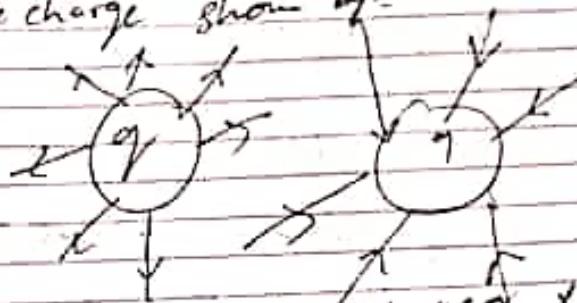
→ slope of $x = -1$ & slope of $y = -1$ then

→ unit vector representation

→ $[1 \ 1 \ 1 \ 1]$ → it will
lose p.e.



→ positive charge shown by



→ Y on P only X is on neg.
axis P from $\theta = 30^\circ$, resultant = 10
find components.

→ velocity parallelogram give
length of PC

- 16) Pick odd one out
 a) quay b) stern c) deck d) mast
- 17) 300, 400, 450, 550, ?
- 18) Analogy ~~sun~~ ~~water~~ Joy : Emotion
 a) snow : winter b) Trees : Jungle c) Apple : Fruit
- 19) Meaning of abdicate?
- 20) Ahmed is facing North. He walks 5 km to right. Then he turns left and walks 3 km. He again turns left and walks 5 km? To which side he faces now?
- 21) Coding and decoding question was present.
- 22) How many terms are there in $(a+b)^5$?
- 23) Question from matrices for multiplication was given.
- 24) $\begin{bmatrix} -3 & 0 & 0 \\ 0 & 9 & 0 \\ 0 & 0 & 5 \end{bmatrix}$ Inverse = ?
- 25) If A and B are non-empty sets then which is incorrect?
 a) $A \cap B = A$ b) $A \cup B = \emptyset$
- 26) Associative property is applicable on?
 a) 2×2 matrices b) rational numbers c) all of these
- 27) $f(x,y)$ is possible through?
 a) product rule b) chain rule c) none of these
- 28) If $f(x) = x^3$ and $g(x) = (ax+b)$ then ~~if~~, $fg(x) = ?$
- 29) If coin is tossed 4 times, then what is the probability that tail doesn't occur?
- 30) If 2, 5, 8 ... be in progression, find its 8th term?
- 31) $\sin 4x = ?$
- 32) $\frac{\sin 4x - \sin nx}{\sin 4x + \cos 4x} = ?$ in terms of $\tan x$ & $\cot x$.
- 33) Spelling mistake?
 a) excessive b) excessive c) excessive d) excessive
- 34) Spelling mistake
 a) necessity b) necessity c) necessity d) necessity

Date:



MON	TUE	WED	THU	FRI	SAT
-----	-----	-----	-----	-----	-----

33. One question was from mutual induction -
34. The ionization energy of hydrogen is :-
① 13 GeV -
35. When electron jumps from outer to 5^{th} orbit then spectral line is :-
① Lyman ② Balmer ③ P. fund ④ None
36. If electron jumps from 6th to seventh orbit then increase in radius is :-
① 90% ② 20% ③ 30%
37. Change in temperature zones in rotary kilns is :-
① 5 ② 4 ③ 6 ④ None

Math

- ① If $f(x) = x^2 + 1$, $g(x) = 5x + 1$ then $f(g(x)) = ?$
- ② Derivative of $\frac{1+2x}{1-x}$ w.r.t x .
- ③ Min. value of $\sin x + \cos x$.
- ④ Relative max. extrema of $\sin x - \cos x$.
- ⑤ $\int_0^3 x^2 + 1 = ?$

Date:

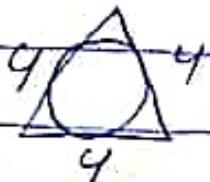
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DAY:

□□□□□□
MTWTF

40. If 1 is given & a and b sides are given then $\cos x = ?$

41.



then inradius $= ?$

42. The circle cannot be inscribed in -

- ① Square ② Parallelogram ③ A
- ④ Rectangle

43. If sum of interior angle of polygon
= sum of exterior angle then no. of
sides of polygon are - ?

- ① 4
- ② 6
- ③ 8
- ④ None

← →
Best of luck

Physics

1. Which one is closest to your height:-

- ① 0.01cm
- ② 2cm
- ③ 4cm

2. $1.9 \text{ cm}^{-10} =$

- ① 10^{-15}
- ② 10^{-9}
- ③ 10^{-6}
- ④ None

3. Q1. If $A = 12$, $C = B$, $B = S$. Then $A = ?$ and
 $\vec{C} = \vec{A} + \vec{B}$ -

- ① 90°
- ② 0°
- ③ 60°
- ④ 15°

4. The half life of Iodine:-

- ① 8 days
- ② 8 hours
- ③ 15 days

5. 1 rad = how many degrees:-

- ① 57.196°
- ② 57.296°
- ③ 58.196°

6. Which one is least ionized but high
penetrating power?

- ① α
- ② β
- ③ γ
- ④ None

7. Q1. $^{235}_{92}\text{U} \rightarrow ^{235}_{82}\text{U}$ then -

- ① α -particle is omitted
- ② 2 electrons emitted
- ③ 2 protons emitted
- ④ None

8. $AT = 0.693 -$

Q1. half-life of element is 4 minutes then

9. 3^{rd} is decayed in :-

- ① 4 min
- ② 6 min
- ③ 8 min
- ④ 10 min

NET II - MCQs - (II Aug morning)

1- Max value of $f(n) = \sin 3n + \sin 7x$ (math)

2- If complex no and conjugate subtracted then ans is always (math)

3- $\lim_{n \rightarrow \infty} \frac{\sin n}{\sqrt{n}} =$ (math)

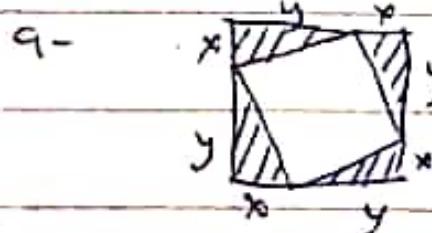
4- 1000099 sig figures (Chem/Bio)

5- $\tan(90+A) \sin(90+A) + \cos(90+A)$ is equal to (math)
(some eqns in options)

6- 1, 2, 4, 8, 7, 26, 10 (next term) - (CQ)

7- 13, 52, 117, 208 (" ") - (EO)

8- In how many ways can 6 men & 5 women be seated such that they occupy alternate seats (math)



Find area of shaded (math)

10- $\sum_{n=1}^{\infty} 2000 \left(\frac{1}{3}\right)^n$ - 2 options continuing (math)
a) series is convergent
b) Sum is less than 2000

11- $x^3 + y^4 =$ (some number) is symmetric w.r.t to (math)

12- Distance of a point to a line (values based) (math)

13-  Angle is 0.5° & distance is 3860000 km find diameter of moon. (math)

32) on BPL, what is the direction of I on emulsion

33) $E=mc^2$, $F = \frac{mc^2}{\sqrt{1-\frac{v^2}{c^2}}}$

→ which is correct? i? or both?

40) I-B region not

a) vacuum b) plasma c) metal

41) NH₃ lone pair is called bond

42) Given as many as us red as _____?

a) red b) ROSE

43) [House, roof, door, wall] is Pick
overall easier out

44) In graph, when horizontal velocity is zero =

45) 2.01 + 2.01L = ?

46-47) both from same significant figures, easy 1.2

overall xyz math was easy & phy was hard
one to do physics: PIB don't know it's how much hard

Like

Comment



Write a comment...

25) C group gas elekt's

26) O is Si \square

27) In Ex may not

a) b) + \square O

28) $V = 1000$, $b = \square$, then energy stored?

29, 30, 31) $R = \frac{\rho L}{A}$ (isi ko ghamna kar baki)

32) $F = ILB$ (numerical)

33) If no of turn of coil more, then B?

34) if area of Solenoid increased, then B?

35) $x = \lambda_0 \sin \theta / (100 - 6\pi)$

then Velocity?

36) $E = nwb$ (generator D/C), then \square ?

37) In n-type or Photo-voltaic Cell, when light falls on n-region, the electron-hole is

a) generated b) scattered c) transfer

21-June Evening

→ PPT vertices given of parallelogram find 6th one (A)(a)

→ Selenium is a — conductor, semiconductor, insulator.

→ Domain of $\cot^{-1}x = ?$ is right angle sector
→ (vertices given) what

→ $\frac{dy}{dx} = \sin^{-1} \frac{dy}{dx}$ → obnoxious synonym

→ what is $\frac{dy}{dx}$? Rate of y with x ?
" " " x with y ?

→ Lagrange's notation → 'scrambling'

→ $\sin^{-1} \left(\tan \left[\frac{L}{S} \right] \right)$ → prejudice meaning

→ which is not mutually exclusive → ellipse, cube, circle, sphere } odd, out

→ 1) head, tail from coin → Balmer series
2) 2,3,4 from dice → Rydberg series
3) pass in maths & physics
4) serenity wind

→ what is Kriyayog halide

→ 4 from mutual inductance

Ques 1) A railway ^{moves} on track of 1000 m. moves

Its velocity changes from 150 m/s to 100 m/s
in 5 sec. Find Retardation acceleration.

Old day
week

Ques
Topic

↳ Torque in circle = ?

↳ escape velocity of earth = ?

↳ Which of the following remains constant in S.H.M. (a) Freq (b) T.P (c) K.E, P.E and T.E

↳ The Root Mean Square of gas Speed
is inversely to → ?

↳ In simple pendulum if I increase then
which one is wrong.

(a) Freq. increases (b) T.P decreases (c) width is
reduced. (d) none.

↳ A capacitor have Q and C then t
 $RT = ?$ (a) 0.32 (b) 0.63.

↳ A generator have increases its work

(i) No of coil increases (ii) no of commutator increases
then (a) I (b) II (c) Both (d) Neither.

↳ Two ~~organisation~~ M.G.s on their formula

Force ↳ the seventh radiation in plan series = ?

↳ Which one is not radioactive
(a) Radium (b) Uranium (c) Thorium (d) Platinum.

mass
lacticity