## **JEE 2023 Session-1 24th Jan to 1st Feb 2023**

Application No	
Candidate Name	
Roll No	
Test Date	29/01/2023
Test Time	9:00 AM - 12:00 PM
Subject	В ТЕСН

Section: Physics Section A

Q.1 A stone is projected at angle 30° to the horizontal. The ratio of kinetic energy of the stone at point of projection to its kinetic energy at the highest point of flight will be -

Options 1.1:4

2. 4:1

3.1:2

4. 4:3

Question Type: MCQ

Question ID: 3666942015 Option 1 ID: 3666946233 Option 2 ID: 3666946236 Option 3 ID: 3666946234

Option 4 ID: 3666946235 Status: Answered

Chosen Option: 2

Q.2 Match List I with List II:

8	List I (Physical Quantity)	14st II (Dimensional Formula)
A.	Pressure gradient	$M^{\circ}L^{2}T^{-2}$
В.	Energy density	II. $\left[\mathbf{M}\mathbf{L}^{-1}\mathbf{T}^{-2}\right]$
C.	Electric Field	III. $M^{1}L^{-2}T^{-2}$
D.	Latent heat	$M^1L^1T^{-3}A^{-1}$

Choose the *correct* answer from the options given below:

Options 1. A-III, B-II, C-I, D-IV

2. A-III, B-II, C-IV, D-I

3. A-II, B-III, C-I, D-IV

4. A-II, B-III, C-IV, D-I

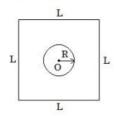
Question Type: MCQ

Question ID: 3666942007

Option 1 ID: 3666946203 Option 2 ID: 3666946204 Option 3 ID: 3666946201

Option 4 ID: 3666946202 Status : Answered

Q.3 Find the mutual inductance in the arrangement, when a small circular loop of wire of radius 'R' is placed inside a large square loop of wire of side L  $(L\gg R)$ . The loops are coplanar and their centres coincide :



$$M = \frac{2\sqrt{2}\mu_0 R}{L^2}$$

$$2. \quad M = \frac{\sqrt{2}\mu_0 R}{L^2}$$

$$3. M = \frac{\sqrt{2}\mu_0 R^2}{L}$$

4. 
$$M = \frac{2\sqrt{2}\mu_0 R^2}{L}$$

Question Type: MCQ

Question ID: 3666942012

Option 1 ID: 3666946222 Option 2 ID: 3666946224

Option 3 ID: 3666946223

Option 4 ID: 3666946221

Status: Not Answered

Chosen Option: --

receiving an will be the control of Q.4 If the height of transmitting and receiving antennas are 80 m each, the maximum line of sight distance will be

Given: Earth's radius =  $6.4 \times 10^{\circ}$ 

Options 1. 36 km

2. 28 km

3. 64 km

4. 32 km

Question Type: MCQ

Question ID: 3666942023

Option 1 ID: 3666946267

Option 2 ID: 3666946266

Option 3 ID: 3666946268

Option 4 ID: 3666946265

Status: Not Answered

Q.5 In a cuboid of dimension  $2L \times 2L \times L$ , a charge q is placed at the center of the surface 'S' having area of 4 L2. The flux through the opposite surface to 'S' is given by

Options

- $3. \quad \frac{q}{3 \in_0}$
- 4.  $\frac{q}{2 \in Q}$

Question Type : MCQ

Question ID: 3666942008 Option 1 ID: 3666946206 Option 2 ID: 3666946207 Option 3 ID: 3666946205 Option 4 ID: 3666946208 Status : Answered

Chosen Option: 2

Q.6 downloaded from Collins of the Colli If a radioactive element having half-life of 30 min is undergoing beta decay, the fraction of radioactive element remains undecayed after 90 min. will be

Options

Question Type: MCQ

Question ID: 3666942025 Option 1 ID: 3666946274 Option 2 ID: 3666946276 Option 3 ID: 3666946273 Option 4 ID: 3666946275

Status : Not Attempted and Marked For Review

Q.7 A block of mass m slides down the plane inclined at angle 30° with an acceleration  $\frac{g}{4}$ . The value of coefficient of kinetic friction will be:

Options

- 2.  $\frac{2\sqrt{3}-1}{2}$
- 3.  $\frac{2\sqrt{3}+1}{2}$
- 4.  $\frac{\sqrt{3}}{2}$

Question Type: MCQ

Question ID: 3666942016 Option 1 ID: 3666946239 Option 2 ID: 3666946237 Option 3 ID: 3666946238 Option 4 ID: 3666946240 Status: Answered

Chosen Option: 4

Q.8 downloaded from Collins of the Colli A bicycle tyre is filled with air having pressure of 270 kPa at 27°C. The approximate pressure of the air in the tyre when the temperature increases to 36°C is

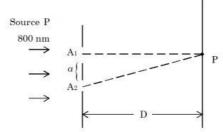
Options 1. 278 kPa

- 2. 360 kPa
- 3. 262 kPa
- 4. 270 kPa

Question Type: MCQ

Question ID: 3666942021 Option 1 ID: 3666946259 Option 2 ID: 3666946260 Option 3 ID: 3666946257 Option 4 ID: 3666946258 Status: Answered

Q.9 In a Young's double slit experiment, two slits are illuminated with a light of wavelength 800 nm. The line joining  $A_1P$  is perpendicular to  $A_1A_2$  as shown in the figure. If the first minimum is detected at P, the value of slits separation 'a' will be:



The distance of screen from slits D = 5 cm

Options 1. 0.2 mm

- 2. 0.4 mm
- 3. 0.5 mm
- 4. 0.1 mm

Question Type: MCQ

Question ID: 3666942014

Option 1 ID: 3666946229

Option 2 ID: 3666946232

Option 3 ID: 3666946231 Option 4 ID: 3666946230

Status: Not Answered

Chosen Option: --

downloaded from Q.10 Ratio of thermal energy released in two resistors R and 3R connected in parallel in an electric circuit is:

Options 1.3:1

2. 1:1

3. 1:27

4. 1:3

Question Type: MCQ

Question ID: 3666942009

Option 1 ID: 3666946212

Option 2 ID: 3666946210

Option 3 ID: 3666946211 Option 4 ID: 3666946209

Status : Answered

Q.11 The threshold wavelength for photoelectric emission from a material is 5500 Å. Photoelectrons will be emitted, when this material is illuminated with monochromatic radiation from a

- 75 W infra-red lamp
- B. 10 W infra-red lamp
- C. 75 W ultra-violet lamp
- D. 10 W ultra-violet lamp

Choose the correct answer from the options given below:

# Options 1. B and C only

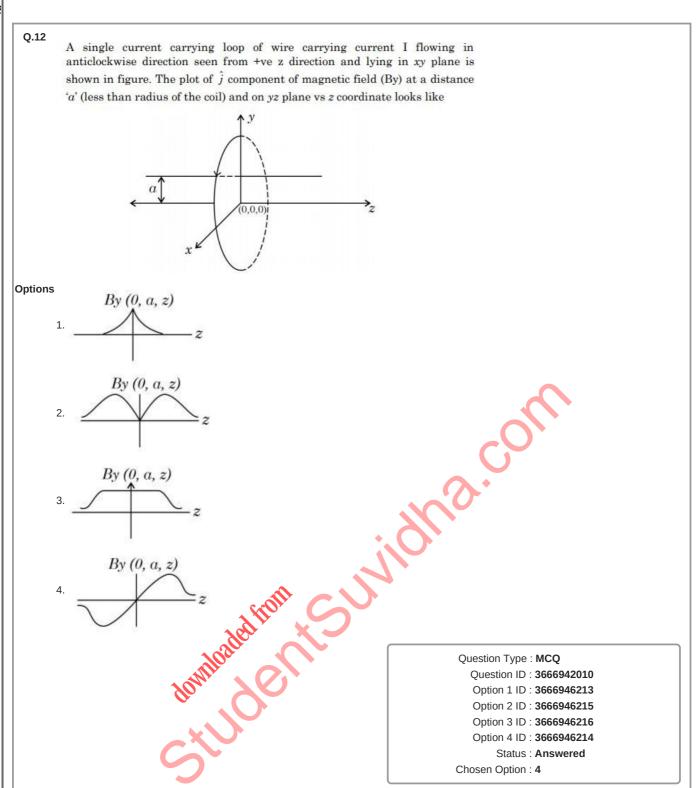
- 2. Conly
- 3. A and D only
- 4. C and D only

Question Type : MCQ

Question ID: 3666942024 Option 1 ID: 3666946272 Option 2 ID: 3666946269 Option 3 ID: 3666946270 Option 4 ID: 3666946271 Status: Answered

Chosen Option: 2

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Status : Answered

Q.13 Which one of the following statement is not correct in the case of light emitting diodes?

- A. It is a heavily doped p-n junction.
- B. It emits light only when it is forward biased.
- C. It emits light only when it is reverse biased.
- D. The energy of the light emitted is equal to or slightly less than the energy gap of the semiconductor used.

Choose the correct answer from the options given below:

Options <sub>1.</sub> A

- 2. **B**
- 3. C and D
- 4. C

Question Type: MCQ

Question ID: 3666942026 Option 1 ID: 3666946277 Option 2 ID: 3666946278 Option 3 ID: 3666946280

Option 4 ID: 3666946279 Status: Answered

Chosen Option: 3

Q.14 Two particles of equal mass 'm' move in a circle of radius 'r' under the action downloaded from of their mutual gravitational attraction. The speed of each particle will be:

Options

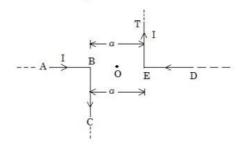
Question Type: MCQ

Question ID: 3666942018 Option 1 ID: 3666946245 Option 2 ID: 3666946247

Option 3 ID: 3666946248 Option 4 ID: 3666946246

Status: Answered

Q.15 The magnitude of magnetic induction at mid point O due to current arrangement as shown in Fig will be



Options

Question Type: MCQ

Question ID: 3666942011

Option 1 ID: 3666946220

Option 2 ID: 3666946217

Option 3 ID: 3666946218

Option 4 ID: 3666946219

Status : Not Attempted and Marked For Review

Chosen Option: --

Q.16 A person observes two moving trains, 'A' reaching the station and 'B' leaving downtraded to the service of the ser the station with equal speed of 30 m/s. If both trains emit sounds with frequency 300 Hz, (Speed of sound: 300 m/s) approximate difference of frequencies heard by the person will be

- Options <sub>1.</sub> 55 Hz
  - 2. 80 Hz
  - 3. 33 Hz
  - 4. 10 Hz

Question Type: MCQ

Question ID: 3666942022

Option 1 ID: 3666946262

Option 2 ID: 3666946264

Option 3 ID: 3666946263 Option 4 ID: 3666946261

Status: Answered

Q.17 Given below are two statements: One is labelled as Assertion A and the other is labelled as Reason R.

Assertion A: If dQ and dW represent the heat supplied to the system and the work done on the system respectively. Then according to the first law of thermodynamics dQ = dU - dW.

Reason R: First law of thermodynamics is based on law of conservation of

In the light of the above statements, choose the correct answer from the options given below:

Options 1. Both A and R are correct and R is the correct explanation of A

- A is correct but R is not correct
- 3. A is not correct but R is correct

Both A and R are correct but R is not the correct explanation of A

Question Type: MCQ Question ID: 3666942020 Option 1 ID: 3666946253 Option 2 ID 3666946255 Option 3 ID: 3666946256 Option 4 ID: 3666946254 Status: Answered

Chosen Option: 3

Q.18 Surface tension of a soap bubble is  $2.0 \times 10^{-2}$  Nm<sup>-1</sup>. Work done to increase J John Raded From the radius of soap bubble from 3.5 cm to 7 cm will be:

Take 
$$\left[\pi = \frac{22}{7}\right]$$

Options 1.  $9.24 \times 10^{-4} \text{ J}$ 

- 2.  $5.76 \times 10^{-4} \text{ J}$
- 3.  $0.72 \times 10^{-4} \text{ J}$
- 4.  $18.48 \times 10^{-4} \,\mathrm{J}$

Question Type: MCQ

Question ID: 3666942019

Option 1 ID: 3666946249

Option 2 ID: 3666946251

Option 3 ID: 3666946250

Option 4 ID: 3666946252

Status: Not Answered

Q.19 Which of the following are true?

- Speed of light in vacuum is dependent on the direction of propagation. A.
- B. Speed of light in a medium is independent of the wavelength of light.
- C. The speed of light is independent of the motion of the source.
- D. The speed of light in a medium is independent of intensity.

Choose the correct answer from the options given below:

Options 1. A and C only

- 2. B and C only
- 3. B and D only
- 4. C and D only

Question Type: MCQ

Question ID: 3666942013 Option 1 ID: 3666946225 Option 2 ID: 3666946226 Option 3 ID: 3666946227

Option 4 ID: 3666946228

Status : Answered Chosen Option: 1

Q.20 A car is moving on a horizontal curved road with radius 50 m. downloaded from Collins The approximate maximum speed of car will be, if friction between tyres and road is 0.34. [take  $g = 10 \text{ ms}^{-2}$ ]

Options 1.  $22.4 \text{ ms}^{-1}$ 

- 2. 17 ms<sup>-1</sup>
- $3. 3.4 \text{ ms}^{-1}$
- 4. 13 ms<sup>-1</sup>

Question Type : MCQ

Question ID: 3666942017

Option 1 ID: 3666946244

Option 2 ID: 3666946242

Option 3 ID: 3666946241

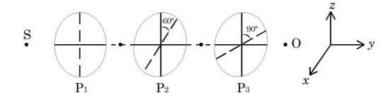
Option 4 ID: 3666946243

Status: Answered Chosen Option: 2

Section: Physics Section B

Q.21 As shown in the figure, three identical polaroids  $P_1$ ,  $P_2$  and  $P_3$  are placed one after another. The pass axis of  $P_2$  and  $P_3$  are inclined at angle of  $60^\circ$  and  $90^\circ$  with respect to axis of  $P_1$ . The source S has an intensity of  $256 \ \frac{W}{m^2}$ .

The intensity of light at point O is  $\frac{W}{m^2}$ .



Given --Answer :

Question Type : SA

Question ID : 3666942036

Status : Not Answered

Q.22 A solid sphere of mass 2 kg is making pure rolling on a horizontal surface with kinetic energy 2240 J. The velocity of centre of mass of the sphere will be \_\_\_\_\_ ms<sup>-1</sup>.

Given --Answer :

> Question Type : SA Question ID : 3666942030 Status : Not Answered

Q.23 In a metre bridge experiment the balance point is obtained if the gaps are closed by  $2\Omega$  and  $3\Omega$ . A shunt of  $X\Omega$  is added to  $3\Omega$  resistor to shift the balancing point by 22.5 cm. The value of X is \_\_\_\_\_\_

Given --Answer :

Question Type : SA

Question ID : 3666942034

Status : Not Answered

Q.24 Two simple harmonic waves having equal amplitudes of 8 cm and equal frequency of 10 Hz are moving along the same direction. The resultant amplitude is also 8 cm. The phase difference between the individual waves is degree.

Given --Answer :

Question Type : SA

Question ID : 3666942028

Status : Not Answered

A certain elastic conducting material is stretched into a circular loop. It is placed with its plane perpendicular to a uniform magnetic field B = 0.8 T. When released the radius of the loop starts shrinking at a constant rate of 2 cms <sup>-1</sup> . The induced emf in the loop at an instant when the radius of the loop is 10 cm will be mV.			
Given Answer:			
	Question Type : SA Question ID : 3666942035 Status : Not Answered		
Q.26 A point charge $q_1 = 4q_0$ is placed at origin. Another point placed at $x = 12$ cm. Charge of proton is $q_0$ . The proton is that the electrostatic force on the proton is zero. In this sitt of the proton from the origin is cm.	placed on x axis so		
Given 12 Answer:			
	Question Type : SA Question ID : 3666942033 Status : Answered		
Q.27 A radioactive element ${}^{242}_{92}X$ emits two $\alpha$ -particles, one electron and two positrons. The product nucleus is represented by ${}^{234}_{P}Y$ . The value of P is Given 92			
Answer:	Question Type : SA Question ID : 3666942027 Status : Answered		
Q.28 A tennis ball is dropped on to the floor from a height of 9.8 m. It rebounds to a height 5.0 m. Ball comes in contact with the floor for 0.2s. The average acceleration during contacts ms^-2.  (Given g = 10 ms^-2)  Given 7  Answer:			
5	Question Type : SA  Question ID : 3666942032  Status : Answered		
Q.29 A 0.4 kg mass takes 8s to reach ground when dropped from a certain height P' above surface of earth. The loss of potential energy in the last second of fall is J. $ (Take \ g = 10 \ m/s^2) $			
Given <b>1200</b> Answer:			
	Question Type : SA Question ID : 3666942031 Status : Answered		

Q.30 A body cools from 60°C to 40°C in 6 minutes. If, temperature of surroundings is 10°C. Then, after the next 6 minutes, its temperature will be \_\_\_\_\_°C.

Given 20 Answer:

> Question Type: SA Question ID: 3666942029 Status: Answered

Section: Chemistry Section A

Q.31

"A" obtained by Ostwald's method involving air oxidation of NH3, upon further air oxidation produces "B". "B" on hydration forms an oxoacid of Nitrogen along with evolution of "A". The oxoacid also produces "A" and gives positive brown ring test.

Identify A and B, respectively.

- Options 1.  $NO_2$ ,  $N_2O_5$ 
  - 2. NO, NO2
  - 3. NO<sub>2</sub>, N<sub>2</sub>O<sub>4</sub>
  - 4. N<sub>2</sub>O<sub>3</sub>, NO<sub>2</sub>

Question Type : MCQ

Question ID: 3666942045 Option 1 ID: 3666946324 Option 2 ID: 3666946325 Option 3 ID: 3666946326 Option 4 ID: 3666946323

Status: Answered Chosen Option: 1

Q.32

The reaction representing the Word process for metal refining is \_\_\_\_

Options

1. 
$$2K[Au(CN)] + Zoull_{\Delta} + K[Zn(CN)] + 2Au$$

2. 
$$ZnO+C$$
  $\xrightarrow{\Delta}$   $Zn+CO$ 

3. 
$$\operatorname{Zr} + 2\operatorname{I}_2 \xrightarrow{\Delta} \operatorname{Zr} \operatorname{I}_4$$

Question Type : MCQ

Question ID: 3666942041 Option 1 ID: 3666946309 Option 2 ID: 3666946307 Option 3 ID: 3666946310 Option 4 ID: 3666946308

Status: Not Answered

Q.33 During the borax bead test with CuSO<sub>4</sub>, a blue green colour of the bead was observed in oxidising flame due to the formation of

# Options 1. CuO

- 2. Cu
- 3. Cu(BO<sub>2</sub>)<sub>2</sub>
- 4. Cu<sub>3</sub>B<sub>2</sub>

Question Type : MCQ

Question ID : 3666942053
Option 1 ID : 3666946358
Option 2 ID : 3666946355
Option 3 ID : 3666946356
Option 4 ID : 3666946357
Status : Answered

Chosen Option: 1

Q.34 Compound that will give positive Lassaigne's test for both nitrogen and halogen is:

# Options 1. NH<sub>4</sub>Cl

- 2. NH<sub>2</sub>OH.HCl
- 3. CH<sub>3</sub>NH<sub>2</sub>.HCl
- 4. N<sub>2</sub>H<sub>4</sub>.HCl

Question Type :  $\mbox{\bf MCQ}$ 

Question ID: 3666942056
Option 1 ID: 3666946368
Option 2 ID: 3666946370
Option 3 ID: 3666946369
Option 4 ID: 3666946367
Status: Not Answered

Chosen Option: --

Q.35 Correct statement about smog is:

Options 1. Classical smog also has high concentration of oxidizing agents

2.

Photochemical smog has high concentration of oxidizing agents

- Both NO<sub>2</sub> and SO<sub>2</sub> are present in classical smog
- 4. NO2 is present in classical smog

Question Type :  $\boldsymbol{\mathsf{MCQ}}$ 

Question ID: 3666942047 Option 1 ID: 3666946334 Option 2 ID: 3666946333 Option 3 ID: 3666946332 Option 4 ID: 3666946331

Status : Answered

Q.36

The correct order of hydration enthalpies is

- K+ (A)
- (B) Rb+
- $Mg^{2+}$ (C)
- (D) Cs+
- (E) Ca2+

Choose the correct answer from the options given below:

Options 1. 
$$E > C > A > B > D$$

- 2. C > E > A > D > B
- 3. C > A > E > B > D
- 4. C > E > A > B > D

Question Type : MCQ

Question ID : 3666942043

Option 1 ID: 3666946316

Option 2 ID: 3666946318

Option 3 ID: 3666946315 Option 4 ID: 3666946317

Status : Answered

Chosen Option: 2

Q.37

The standard electrode potential (M3+/M2+) for V, Cr, Mn & Co are -0.26 V, V<sup>2+</sup> and Mn<sup>2+</sup>
4. Mn<sup>2+</sup> and Co<sup>2+</sup> Manifold (A) -0.41 V, +1.57 V and +1.97 V, respectively. The metal ions which can liberate

- Options 1.  $V^{2+}$  and  $Cr^{2+}$

Question Type : MCQ

Question ID: 3666942046

Option 1 ID: 3666946327

Option 2 ID: 3666946329

Option 3 ID: 3666946328

Option 4 ID: 3666946330

Status: Answered

Q.38 Number of cyclic tripeptides formed with 2 amino acids A and B is:

- Options 1. 2
  - 2. 4
  - 3. 5
  - 4. 3

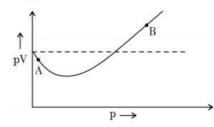
Question Type : MCQ

Question ID: 3666942055 Option 1 ID: 3666946366 Option 2 ID: 3666946365 Option 3 ID: 3666946363

Option 4 ID: 3666946364 Status: Answered

Chosen Option: 1

Q.39 For 1 mol of gas, the plot of pV vs. p is shown below. p is the pressure and V is the volume of the gas



What is the value of compressibility factor at point A?

Options

- 1.  $1 \frac{b}{v}$

downloaded from Question Type :  $\boldsymbol{\mathsf{MCQ}}$ 

Option 1 ID: 3666946294 Option 2 ID: 3666946293 Option 3 ID: 3666946292

Question ID: 3666942037

Option 4 ID: 3666946291 Status: Not Answered

Q.40 Match List I with List II.

	List I		List II	
	Antimicrobials		Names	
(A)	Narrow Spectrum Antibiotic	(I)	Furacin	
(B)	Antiseptic	(II)	Sulphur dioxide	
(C)	Disinfectants	(III)	Penicillin G	
(D)	Broad spectrum antibiotic	(IV)	Chloramphenicol	

Choose the correct answer from the options given below:

Options 1. (A) 
$$-$$
 III, (B)  $-$  I, (C)  $-$  IV, (D)  $-$  II

3. (A) 
$$-$$
 I, (B)  $-$  II, (C)  $-$  IV, (D)  $-$  III

4. 
$$(A) - II, (B) - I, (C) - IV, (D) - III$$

Question Type : MCQ

Question ID: 3666942054 Option 1 ID: 3666946361 Option 2 ID: 3666946362 Option 3 ID : 3666946360 Option 4 ID: 3666946359 Status : Answered

Chosen Option: 2

Q.41 Identify the correct order for the given property for following compounds.

- Boiling Point: CI < CI (A)
- (B) Density:
- **Boiling Point:** (C)
- Density: (D)
- (E) Boiling Point;

Choose the correct answer from the option given below:

Options 1. (A), (B) and (E) only

- 2. (A), (C) and (D) only
- 3. (B), (C) and (D) only
- 4. (A), (C) and (E) only

Question Type: MCQ

Question ID: 3666942049 Option 1 ID: 3666946339 Option 2 ID: 3666946341 Option 3 ID: 3666946340 Option 4 ID: 3666946342 Status: Answered

Q.42 Chiral complex from the following is:

Here en = ethylene diamine

Options 1.  $cis - [PtCl_2 (NH_3)_2]$ 

- trans [Co(NH<sub>3</sub>)<sub>4</sub> Cl<sub>2</sub>]<sup>+</sup>
- cis [PtCl<sub>2</sub> (en)<sub>2</sub>]<sup>2+</sup>
- trans [PtCl<sub>2</sub>(en)<sub>2</sub>]<sup>2+</sup>

Question Type: MCQ

Question ID: 3666942048 Option 1 ID: 3666946335 Option 2 ID: 3666946337 Option 3 ID: 3666946336 Option 4 ID: 3666946338 Status: Not Answered

Chosen Option: --

Q.43 Which of the following salt solutions would coagulate the colloid solution formed when FeCl3 is added to NaOH solution, at the fastest rate?

- Options  $_{1.}$  10 mL of 0.1 mol dm $^{-3}$   $Na_2SO_4$ 
  - 2. 10 mL of 0.15 mol dm-3 CaCl2
  - 10 mL of 0.1 mol dm<sup>-3</sup> Ca<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>
  - 4. 10 mL of 0.2 mol dm-3 AlCl<sub>3</sub>

Question Type : MCQ

Question ID: 3666942039 Option 1 ID: 3666946299 Option 2 ID: 3666946301 Option 3 ID: 3666946300 Option 4 ID: 3666946302 Status: Not Answered

Chosen Option: --

Q.44

The bond dissociation energy is highest for

Options  $_{1.}$   $\mathrm{Br}_{2}$ 

- 2. **F**<sub>2</sub>
- 3. I<sub>2</sub>
- 4. Cl<sub>2</sub>

Question Type : MCQ

Question ID: 3666942040 Option 1 ID: 3666946305 Option 2 ID: 3666946303 Option 3 ID: 3666946306 Option 4 ID: 3666946304 Status: Answered

Q.45 The shortest wavelength of hydrogen atom in Lyman series is  $\lambda$ . The longest wavelength in Balmer series of He+ is

Options

Question Type : MCQ

Question ID : 3666942038

Option 1 ID: 3666946297 Option 2 ID: 3666946296

Option 3 ID: 3666946295

Option 4 ID: 3666946298 Status: Answered

Chosen Option: 3

Q.46

The magnetic behavior of Li<sub>2</sub>O, Na<sub>2</sub>O<sub>2</sub> and KO<sub>2</sub>, respectively, are

Options 1. diamagnetic, diamagnetic and paramagnetic

- 2. paramagnetic, paramagnetic and diamagnetic
- 3. paramagnetic, diamagnetic and paramagnetic
- dawninadad from 4. diamagnetic, paramagnetic and diamagnetic

Question Type : MCQ

Question ID: 3666942044

Option 1 ID: 3666946320

Option 2 ID: 3666946322

Option 3 ID: 3666946319

Option 4 ID: 3666946321

Status: Answered

Q.47 The major product 'P' for the following sequence of reactions is:

Options

$$^{\text{OH}} \xrightarrow{\text{OH}} ^{\text{OH}} _{\text{NH}_2}$$

Question Type : MCQ

Question ID: 3666942052

Option 1 ID: 3666946351

Option 2 ID : 3666946354

Option 3 ID: 3666946352 Option 4 ID: 3666946353

Status: Answered

Chosen Option: 4

Q.48

Which of the given compounds can enhance the efficiency of hydrogen storage

Options 1. Li/P4

2. Di-isobutylaluminium hydrade

3. SiH<sub>4</sub>

4. NaNi<sub>5</sub>

Question Type: MCQ

Question ID: 3666942042

Option 1 ID: 3666946312

Option 2 ID: 3666946314

Option 3 ID: 3666946313

Option 4 ID: 3666946311 Status: Not Answered

Q.49 Match List I with List II.

	List I		List II
	Reaction		Reagents
(A)	Hoffmann Degradation	(I)	Conc.KOH, $\Delta$
(B)	Clemenson reduction	(II)	CHCl <sub>3</sub> , NaOH/H <sub>3</sub> O⊕
(C)	Cannizaro reaction	(III)	Br <sub>2</sub> , NaOH
(D)	Reimer-Tiemann Reaction	(IV)	Zn-Hg/HCl

Choose the correct answer from the options given below:

Options 1. 
$$(A) - III, (B) - IV, (C) - I, (D) - II$$

3. (A) 
$$- II$$
, (B)  $- I$ , (C)  $- III$ , (D)  $- IV$ 

4. (A) 
$$- II, (B) - IV, (C) - I, (D) - III$$

Question Type: MCQ

Question ID: 3666942051 Option 1 ID: 3666946347 Option 2 ID: 3666946349

Option 3 ID: 3666946348

Option 4 ID: 3666946350 Status: Answered

Chosen Option: 1

Q.50

The increasing order of pK for the following phenols is

- (A) 2, 4 - Dinitrophenol
- (B)
- 4 Nitrophenoi 2, 4, 5 Trimethylpheron (C)
- Phenol (D)
- (E) 3-Chlorophenol

Choose the correct answer from the option given below:

2. (C), (D), (E), (B), (A)

3. (A), (B), (E), (D), (C)

4. (A), (E), (B), (D), (C)

Question Type: MCQ

Question ID: 3666942050 Option 1 ID: 3666946345

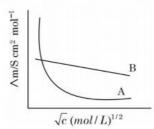
Option 2 ID: 3666946344 Option 3 ID: 3666946343

Option 4 ID: 3666946346 Status: Answered

Chosen Option: 4

Section: Chemistry Section B

Q.51 Following figure shows dependence of molar conductance of two electrolytes on concentration.  $\Lambda_n^{\hat{m}}$  is the limiting molar conductivity.



The number of incorrect statement(s) from the following is \_\_\_\_\_

- (A)  $\Lambda_m^{\circ}$  for electrolyte A is obtained by extrapolation
- (B) For electrolyte B,  $\Lambda m$  vs  $\sqrt{c}$  graph is a straight line with intercept equal to  $\Lambda m$
- (C) At infinite dilution, the value of degree of dissociation approaches zero for electrolyte B.
- (D)  $\Lambda m$  for any electrolyte A or B can be calculated using  $\lambda^o$  for individual ions

Given 2 Answer:

Question Type : SA

Question ID : 3666942062

Status : Answered

Q.52 Consider the following reaction approaching equilibrium at 27°C and 1 atm pressure

$$A+B \xrightarrow{k_f=10^3} C+D$$

The standard Gibb's energy change  $(\Delta_r G^{\theta})$  at 27°C is (-) \_\_\_\_\_kJ mol<sup>-1</sup> (Nearest integer).

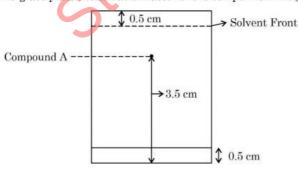
(Given:  $R = 8.3 \text{ J K}^{-1} \text{ mol}^{-1}$  and  $\ln 10 = 2.3$ )

Given --Answer :

Question Type : SA

Question ID : 3666942059 Status : Not Answered

Q.53 Following chromatogram was developed by adsorption of compound 'A' on a 6 cm TLC glass plate. Retardation factor of the compound 'A' is \_\_\_\_\_×10<sup>-1</sup>.



Given --Answer :

Question Type : **SA**Question ID : **3666942065** 

Status : Not Answered

Q.54	The	sum of bridging carbonyls in W(CO) <sub>6</sub> and Mn <sub>2</sub> (CO) <sub>1</sub>	<sub>0</sub> is
Given 2 Answer:			
			Question Type : SA Question ID : 3666942064 Status : Answered
Q.55		number of molecules or ions from the following, which	n do not have odd
	(A)	$NO_2$	
	(B)	$\mathrm{ICl}_4^-$	
	(C)	$\mathrm{BrF}_3$	
	(D)	$ClO_2$	
	(E)	$\mathrm{NO}_2^+$	
	(F)	NO	
Given Answer			
			Question Type : SA Question ID : 3666942058 Status : Not Answered
Q.56	Wate	er decomposes at 2300 K	<u>√</u> 0.
	$H_2O$	$(g) \rightarrow H_2(g) + \frac{1}{2}O_2(g)$	XI,
		percent of water decomposing at 2300 K and 1 barrest integer).	
	Equi	dibrium constant for the reaction is $10^{-3}$ at $2300~\mathrm{K}$ .	
Equilibrium constant for the reaction is \$2.10^3\$ at 2300 K.  Given Answer:  Question Type: SA Question ID: 3666942061 Status: Not Answered			
		mod .	Question Type : SA
		90Mx 70	Question ID : 3666942061
		40	Status : Not Answered
Millimoles of calcium hydroxide required to produce 100 mL of the aqueous solution of pH 12 is $x \times 10^{-1}$ . The value of x is (Nearest integer).			
	Assu	me complete dissociation.	
Given Answer			
			Question Type : SA
			Question ID : 3666942057
			Status : Not Answered

Q.58 Solid Lead nitrate is dissolved in 1 litre of water. The solution was found to boil at  $100.15^{\circ}$  C. When 0.2 mol of NaCl is added to the resulting solution, it was observed that the solution froze at  $-0.8^{\circ}$  C. The solubility product of PbCl<sub>2</sub> formed is \_\_\_\_\_\_ ×  $10^{-6}$  at 298 K. (Nearest integer)

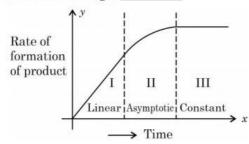
Given :  $K_b$  = 0.5 K kg mol<sup>-1</sup> and  $K_f$  = 1.8 K kg mol<sup>-1</sup>. Assume molality to be equal to molarity in all cases.

Given --Answer :

Question Type : **SA**Question ID : **3666942060**Status : **Not Answered** 

Q.59

For certain chemical reaction  $X \rightarrow Y$ , the rate of formation of product is plotted against the time as shown in the figure. The number of **correct** statement/s from the following is \_\_\_\_\_



- (A) Over all order of this reaction is one
- (B) Order of this reaction can't be determined
- (C) In region I and III, the reaction is of first and zero order respectively
- (D) In region-II, the reaction is of first order
- (E) In region-II, the order of reaction is in the range of 0.1 to 0.9.

Given 2 Answer :

Question Type : SA
Question ID : 3666942063
Status : Marked For Review

Q.60

17 mg of a hydrocarbon (M.F.  $C_{10}H_{16}$ ) takes up 8.40 mL of the  $H_2$  gas measured at  $0^{\circ}$  C and 760 mm of Hg. Ozonolysis of the same hydrocarbon yields

The number of double bond/s present in the hydrocarbon is \_\_\_\_\_

Given **5** Answer :

Question Type : SA

Question ID : 3666942066

Status : Answered

Section: Mathematics Section A

Q.61 Three rotten apples are mixed accidently with seven good apples and four apples are drawn one by one without replacement. Let the random variable Xdenote the number of rotten apples. If  $\mu$  and  $\sigma^2$  represent mean and variance of X, respectively, then  $10(\mu^2 + \sigma^2)$  is equal to

Options 1. 25

- 2. 250
- 3. 20
- 4. 30

Question Type: MCQ

Question ID: 3666942085 Option 1 ID: 3666946454 Option 2 ID: 3666946456 Option 3 ID: 3666946453 Option 4 ID: 3666946455 Status: Answered

Chosen Option: 2

Q.62 Let x = 2 be a root of the equation  $x^2 + px + q = 0$  and

$$f(x) = \begin{cases} \frac{1 - \cos(x^2 - 4px + q^2 + 8q + 16)}{(x - 2p)^4}, & x \neq 2p \\ 0, & x = 2p \end{cases}$$

Then  $\lim_{x \to 2p^+} [f(x)],$ 

downloaded from where  $[\cdot]$  denotes greatest integer function, is

Options  $_1$ . -1

- 2. 1
- 3. 2
- 4. 0

Question Type: MCQ

Question ID: 3666942073 Option 1 ID: 3666946407 Option 2 ID: 3666946408 Option 3 ID: 3666946405 Option 4 ID: 3666946406

Status: Answered

Q.63 Let  $A = \{(x, y) \in \mathbb{R}^2 : y \ge 0, 2x \le y \le \sqrt{4 - (x - 1)^2} \}$  and  $B = \left\{ (x, y) \in \mathbb{R} \times \mathbb{R} : 0 \le y \le \min \left\{ 2x, \sqrt{4 - (x - 1)^2} \right\} \right\}.$ 

Then the ratio of the area of A to the area of B is

Options 1. 
$$\frac{\pi-1}{\pi+1}$$

- $2. \ \frac{\pi}{\pi 1}$
- 3.  $\frac{\pi+1}{\pi-1}$
- 4.  $\frac{\pi}{\pi + 1}$

Question Type: MCQ

Question ID: 3666942075 Option 1 ID: 3666946414

Option 2 ID: 3666946416

Option 3 ID: 3666946415 Option 4 ID: 3666946413

Status: Not Answered

Chosen Option: --

Q.64

Let  $\Delta$  be the area of the region  $\{(x,y) \in \mathbb{R}^2 : x^2 + y^2 \le 21, y^2 \le 4x, x \ge 1\}$ .

Then  $\frac{1}{2} \left( \Delta - 21 \sin^{-1} \frac{2}{\sqrt{7}} \right)$  is equal to

Options

- 1.  $\sqrt{3} \frac{4}{9}$
- 2.  $\sqrt{3} \frac{2}{3}$
- 4.  $2\sqrt{3} \frac{2}{3}$

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Question Type: MCQ

Question ID: 3666942076 Option 1 ID: 3666946420

Option 2 ID: 3666946419 Option 3 ID: 3666946417

Option 4 ID: 3666946418 Status: Not Answered

Q.65 Let [x] denote the greatest integer  $\leq x$ . Consider the function  $f(x) = \max\{x^2, 1+[x]\}$ . Then the value of the integral  $\int f(x) dx$  is

Options

1. 
$$\frac{8+4\sqrt{2}}{3}$$

- 2.  $\frac{1+5\sqrt{2}}{3}$
- 3.  $\frac{5+4\sqrt{2}}{3}$
- 4.  $\frac{4+5\sqrt{2}}{3}$

Question Type : MCQ

Question ID: 3666942080 Option 1 ID: 3666946435 Option 2 ID: 3666946433 Option 3 ID: 3666946436 Option 4 ID: 3666946434 Status: Answered

Chosen Option: 1

Q.66 If the vectors  $\vec{a} = \lambda \hat{i} + \mu \hat{j} + 4\hat{k}$ ,  $\vec{b} = -2\hat{i} + 4\hat{j} - 2\hat{k}$  and  $\vec{c} = 2\hat{i} + 3\hat{j} + \hat{k}$  are downloaded from coplanar and the projection of  $\vec{a}$  on the vector  $\vec{b}$  is  $\sqrt{54}$  units, then the sum of all possible values of  $\lambda + \mu$  is equal to

Options 1. 18

- 2. 0
- 3. 24
- 4. 6

Question Type: MCQ

Question ID: 3666942081 Option 1 ID: 3666946439 Option 2 ID: 3666946437 Option 3 ID: 3666946440 Option 4 ID: 3666946438

Status: Answered

Q.67 A light ray emits from the origin making an angle 30° with the positive x-axis. After getting reflected by the line x+y=1, if this ray intersects x-axis at Q, then the abscissa of Q is

Options

1. 
$$\frac{2}{3-\sqrt{3}}$$

2. 
$$\frac{2}{3+\sqrt{3}}$$

$$3. \quad \frac{\sqrt{3}}{2\left(\sqrt{3}+1\right)}$$

4. 
$$\frac{2}{(\sqrt{3}-1)}$$

Question Type : MCQ

Question ID: 3666942077 Option 1 ID: 3666946424 Option 2 ID: 3666946421 Option 3 ID: 3666946422 Option 4 ID: 3666946423 Status: Not Answered

Chosen Option: --

Q.68 Let  $f: \mathbb{R} \to \mathbb{R}$  be a function such that  $f(x) = \frac{x^2 + 2x + 1}{x^2 + 1}$ . Then

Options 1. f(x) is one-one in  $[1,\infty)$  but not in  $(-\infty,\infty)$ 

- f(x) is many-one in  $(-\infty, -1)$ 4. f(x) is many-one in  $(1, \infty)$  from

Question Type: MCQ Question ID: 3666942068 Option 1 ID: 3666946385 Option 2 ID: 3666946386 Option 3 ID: 3666946388 Option 4 ID: 3666946387 Status: Answered

Q.69 Let y = f(x) be the solution of the differential equation  $y(x+1)dx - x^2dy = 0$ , y(1) = e. Then  $\lim_{x \to 0^+} f(x)$  is equal to

Options  $_{1.}$   $e^{2}$ 

- 2.  $\frac{1}{e}$
- 3.  $\frac{1}{e^2}$
- 4. 0

Question Type : MCQ

Question ID: 3666942086

Option 1 ID : 3666946459

Option 2 ID: 3666946458

Option 3 ID: 3666946460

Option 4 ID: 3666946457

Status: Marked For Review

Chosen Option: 2

Q.70

Consider the following system of equations

$$\alpha x + 2y + z = 1$$

$$2\alpha x + 3y + z = 1$$

$$3x + \alpha y + 2z = \beta$$

for some  $\alpha, \beta \in \mathbb{R}$ . Then which of the following is NOT correct.

Options 1. It has no solution if  $\alpha = -1$  and  $\beta \neq 2$ 

- 2. It has a solution for all  $\alpha \neq -1$  and  $\beta = 2$
- 3. It has no solution for  $\alpha = \mathbb{N}$  and for all  $\beta \in \mathbb{R}$
- 4. It has no solution for  $3^{-3}$  and for all  $\beta \neq 2$

Question Type: MCQ

Question ID : 3666942071

Option 1 ID : 3666946398

Option 2 ID : **3666946399** Option 3 ID : **3666946397** 

Option 4 ID : 3666946400

Status . Not Attempted and

Marked For Review

Let  $f(\theta) = 3\left(\sin^4\left(\frac{3\pi}{2} - \theta\right) + \sin^4(3\pi + \theta)\right) - 2(1 - \sin^2 2\theta)$  and  $S = \left\{ \theta \in [0, \pi] : f'(\theta) = -\frac{\sqrt{3}}{2} \right\}. \text{ If } 4\beta = \sum_{\alpha \in S} \theta, \text{ then } f(\beta) \text{ is equal to}$ 

Options

Question Type : MCQ Question ID: 3666942083 Option 1 ID: 3666946445 Option 2 ID 3666946448 Option 3 ID: 3666946447 Option 4 ID: 3666946446 Status: Not Answered

Chosen Option: --

Let the tangents at the points A(4,-11) and B(8,-5) on the circle C. The A and B is it.  $x^2 + y^2 - 3x + 10y - 15 = 0$ , intersect at the point C. Then the radius of the circle, whose centre is C and the line joining A and B is its tangent, is equal to

Options

- 3.  $\frac{2\sqrt{13}}{3}$
- 4. 2√13

Question Type: MCQ

Question ID: 3666942079 Option 1 ID: 3666946429 Option 2 ID: 3666946430 Option 3 ID: 3666946431 Option 4 ID: 3666946432 Status: Answered

Q.73 Let  $\alpha$  and  $\beta$  be real numbers. Consider a  $3\times 3$  matrix A such that  $A^2=3A+\alpha I$ . If  $A^4=21A+\beta I$ , then

Options 1.  $\alpha = 1$ 

- 2.  $\beta = -8$
- 3.  $\beta = 8$
- 4.  $\alpha = 4$

Question Type : MCQ

Question ID: 3666942072 Option 1 ID: 3666946404 Option 2 ID: 3666946401 Option 3 ID: 3666946402 Option 4 ID: 3666946403

Status : Answered

Chosen Option: 1

Q.74 If p, q and r are three propositions, then which of the following combination of truth values of p, q and r makes the logical expression  $\{(p \lor q) \land (( \rhd p) \lor r)\} \rightarrow (( \rhd q) \lor r)$  false?

Options 1. p = T, q = F, r = F

- 2. p = F, q = T, r = F
- 3. p = T, q = F, r = T
- 4. p = T, q = T, r = F

Question Type : MCQ

Question ID: 3666942084 Option 1 ID: 3666946450 Option 2 ID: 3666946451 Option 3 ID: 3666946452

Option 4 ID : **3666946449** 

Status : Not Answered

Q.75 Fifteen football players of a club-team are given 15 T-shirts with their names written on the backside. If the players pick up the T-shirts randomly, then the probability that at least 3 players pick the correct T-shirt is

### Options

Question Type: MCQ

Question ID: 3666942082 Option 1 ID: 3666946444 Option 2 ID: 3666946442 Option 3 ID: 3666946441 Option 4 ID: 3666946443 Status : Answered

Chosen Option: 2

Q.76 Let B and C be the two points on the line y+x=0 such that B and C are symmetric with respect to the origin. Suppose A is a point on y-2x=2downloaded from Collinson such that  $\triangle ABC$  is an equilateral triangle. Then, the area of the  $\triangle ABC$  is

### Options

- 2.  $2\sqrt{3}$

Question Type: MCQ

Question ID: 3666942078 Option 1 ID: 3666946426

Option 2 ID: 3666946427 Option 3 ID: 3666946428 Option 4 ID: 3666946425

Status: Marked For Review

Q.77 Let  $\lambda \neq 0$  be a real number. Let  $\alpha, \beta$  be the roots of the equation  $14x^2 - 31x + 3\lambda = 0$  and  $\alpha, \gamma$  be the roots of the equation  $35x^2 - 53x + 4\lambda = 0$ . Then  $\frac{3\alpha}{\beta}$  and  $\frac{4\alpha}{\gamma}$  are the roots of the equation

Options 1.  $7x^2 + 245x - 250 = 0$ 

2.  $49x^2 + 245x + 250 = 0$ 

3.  $7x^2 - 245x + 250 = 0$ 

4.  $49x^2 - 245x + 250 = 0$ 

Question Type: MCQ

Question ID: 3666942070 Option 1 ID: 3666946395 Option 2 ID: 3666946393 Option 3 ID: 3666946396

Option 4 ID: 3666946394 Status: Not Answered

Chosen Option: --

downtraded from 1500 in the contract of the co Q.78 Let  $f(x) = x + \frac{a}{\pi^2 - 4} \sin x + \frac{b}{\pi^2 - 4} \cos x$ ,  $x \in \mathbb{R}$  be a function which satisfies  $f(x) = x + \int_{0}^{x} \sin(x+y) f(y) dy$ . Then (a+b) is equal to

Options 1.  $-2\pi(\pi+2)$ 

2.  $-\pi(\pi-2)$ 

3.  $-2\pi(\pi-2)$ 

4.  $-\pi(\pi+2)$ 

Question Type: MCQ Question ID: 3666942074

Option 1 ID: 3666946412 Option 2 ID: 3666946409 Option 3 ID: 3666946410 Option 4 ID: 3666946411

Status: Not Answered

Q.79 For two non-zero complex numbers  $z_1$  and  $z_2$ , if  $\text{Re}(z_1z_2)=0$  and  $\operatorname{Re}(z_1 + z_2) = 0$ , then which of the following are possible?

- $Im(z_1) > 0$  and  $Im(z_2) > 0$
- B.  $Im(z_1) < 0$  and  $Im(z_2) > 0$
- $\text{Im}(z_1) > 0 \text{ and } \text{Im}(z_2) < 0$ C.
- $Im(z_1) < 0$  and  $Im(z_2) < 0$

Choose the correct answer from the options given below:

Options 1. A and C

- 2. B and D
- 3. B and C
- 4. A and B

Question Type: MCQ

Question ID: 3666942069 Option 1 ID: 3666946392 Option 2 ID: 3666946390 Option 3 ID: 3666946389 Option 4 ID: 3666946391 Status: Answered

Chosen Option: 3

Q.80

dominated from Collins The domain of  $f(x) = \frac{\log_{(x+1)}(x-2)}{e^{2\log_e x} - (2x+3)}, x \in \mathbb{R}$  is

Options 1.  $\mathbb{R} - \{-1, 3\}$ 

- 2.  $(2, \infty) \{3\}$
- 3. IR {3}
- 4.  $(-1, \infty) \{3\}$

Question Type: MCQ

Question ID: 3666942067 Option 1 ID: 3666946382 Option 2 ID: 3666946381 Option 3 ID: 3666946384 Option 4 ID: 3666946383

Status: Not Answered

Chosen Option: --

Section: Mathematics Section B

Q.81

Let the coefficients of three consecutive terms in the binomial expansion of  $(1+2x)^n$  be in the ratio 2:5:8. Then the coefficient of the term, which is in the middle of these three terms, is \_

Given --Answer:

Question Type :  ${\bf SA}$ 

Question ID: 3666942095

Status: Not Answered

are arranged	If all the six digit numbers $x_1$ $x_2$ $x_3$ $x_4$ $x_5$ $x_6$ with $0 < x_1 < x_2 < x_3 < x_4 < x_5 < x_6$ are arranged in the increasing order, then the sum of the digits in the 72 <sup>th</sup> number is		
Given Answer :			
		Question Type : SA Question ID : 3666942092 Status : Not Answered	
000 MT (000 MT)	a function satisfying $f(x+y) = f(x) + f(y)$ for $\frac{f(n)}{n(n+1)(n+2)} = \frac{1}{12}$ , then $m$ is equal to		
Given Answer :			
		Question Type : <b>SA</b> Question ID : <b>3666942089</b> Status : <b>Not Answered</b>	
Q.84 Let $f: \mathbb{R} \to \mathbb{R}$ be a differentiable function that satisfies the relation $f(x+y) = f(x) + f(y) - 1, \forall x, y \in \mathbb{R}$ . If $f'(0) = 2$ , then $ f(-2) $ is equal to			
Given Answer :		~~·	
		Question Type : SA Question ID : 3666942093 Status : Not Answered	
Q.85 Let $a_1, a_2, a_3,$ be a $GP$ of increasing positive numbers. If the product of fourth and sixth terms is 9 and the fam of fifth and seventh terms is 24, then $a_1a_9 + a_2a_4a_9 + a_5 + a_7$ is equal to			
Answer :	gamin 961	Question Type : SA Question ID : 3666942090 Status : Not Answered	
vectors of fou	d $\vec{c}$ be three non-zero non-coplanar vectors. r points $A, B, C$ and $D$ be $\vec{a} - \vec{b} + \vec{c}$ , $\lambda \vec{a} - 3\vec{b} + \vec{c}$ respectively. If $\overrightarrow{AB}$ , $\overrightarrow{AC}$ and $\overrightarrow{AD}$ are copland.	$\vec{c} + 4\vec{c}$ , $-\vec{a} + 2\vec{b} - 3\vec{c}$	
Given			

Given --Answer :

Question Type : **SA**Question ID : **3666942091**Status : **Not Answered** 

Q.87	Let the co-ordinates of one vertex of $\triangle ABC$ be $A(0,2,\alpha)$ and the other two		
	vertices lie on the line $\frac{x+\alpha}{5} = \frac{y-1}{2} = \frac{z+4}{3}$ . For $\alpha \in \mathbb{Z}$ , if the area of $\triangle ABC$ is		
	21 sq. units and the line segment $BC$ has length $2\sqrt{21}$ units, to	then $\alpha^2$ is equal	
Given Answer :			
		Question Type : SA	
		Question ID : 3666942087 Status : Not Answered	
Q.88	If the co-efficient of $x^9$ in $\left(\alpha x^3 + \frac{1}{\beta x}\right)^{11}$ and the co-efficient of $x^{-9}$ in		
	$\left(\alpha x - \frac{1}{\beta x^3}\right)^{11}$ are equal, then $(\alpha \beta)^2$ is equal to		
Given Answer :	<del></del>		
		Question Type : <b>SA</b> Question ID : <b>3666942094</b> Status : <b>Not Answered</b>	
Q.89	Let the equation of the plane P containing the line r+	$10 - \frac{8 - y}{2} - z$ he	
	Let the equation of the plane <i>P</i> containing the line $x+10=\frac{8-y}{2}=z$ be $ax+by+3z=2(a+b)$ and the distance of the plane <i>P</i> from the point $(1,27,7)$		
	be c. Then $a^2 + b^2 + c^2$ is equal to	Mo	
Given Answer :		<i>(</i> 0, <i>'</i>	
	add from SU	Question Type : <b>SA</b> Question ID : <b>3666942088</b> Status : <b>Not Answered</b>	
Q.90	Five digit numbers are forced using the digits 1, 2, 3, 5, 7 and are written in descending order with serial numbers. I number 77777 has some number 1. Then the serial number 1.	For example, the	
Given	- XV		

Answer:

Question Type : SA Question ID : 3666942096 Status: Not Answered