

2021

PHYSICS Paper-2 QUESTION WITH SOLUTION

32700+ SELECTIONS SINCE 2007



हो चुकी है ऑफलाइन क्लासरूम की शुरूआत अपने सपने को करो साकार, कोटा कोचिंग के साथ

Directors of Nucleus Education & Wizard of Mathematics

Now Offline associated with Motion Kota Classroom







Nitin Vijay (NV Sir) Managing Director Exp. : 18 yrs



Surendra K. Mishra (SKM Sir) Exp. : 16 yrs

Gavesh Bhardwaj (GB Sir) Exp.: 17 yrs

Academic Pillars of JEE MOTION KOTA

(VJ Sir)

Exp. : 18 yrs



Ram Ratan Dwivedi (RRD Sir) Joint Director Exp.: 20 yrs



Anurag Garg (AG Sir) Sr. Faculty Exp. : 17 yrs



(AV Sir) Joint Director Exp. : 16 yrs

Arjun Gupta

(Árjun Sir) Sr. Faculty

Exp. : 14 yrs





Devki Nandan Pathak Avinash Kishore (DN Sir) Sr. Faculty Exp. : 13 yrs



Head JEE Academics Exp. : 17 yrs



Vipin Sharma (AVN Sir) Sr. Faculty Sr. Faculty Exp.: 9 yrs Exp. : 12 yrs

(AA Sir) Sr. Faculty Exp. : 17 yrs

(VS Sir)



Jayant Chittora (JC Sir) Sr. Faculty Exp. : 16 yrs



Durgesh Pandey (Pandey Sir) Sr. Faculty Exp.: 8 yrs

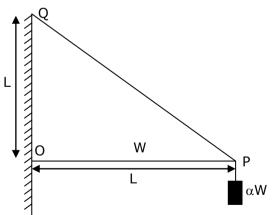
Join **English & Hindi Medium EE DROPPER BATCH Online + Offline Mode**



SECTION - A

ANSWER KEY

- This section contains SIX (06) questions.
- Each question has FOUR options (A), (B), (C) and (D). ONE OR MORE THAN ONE of these four option(s) is (are) correct answer(s).
- For each question, choose the option(s) corresponding to (all) the correct answer(s).
- Answer to each question will be evaluated according to the following marking scheme: Full Marks : +4 If only (all) the correct option(s) is(are) chosen; Partial Marks : +3 If all the four options are correct but ONLY three options are chosen; Partial Marks : +2 If three or more options are correct but ONLY two options are chosen, both of which are correct; Partial Marks : +1 If two or more options are correct but ONLY one option is chosen and it is a correct option; : 0 If unanswered: Zero Marks : -2 In all other cases. Negative Marks For example, in a question, if (A), (B) and (D) are the ONLY three options corresponding to correct answers, then choosing ONLY (A), (B) and (D) will get +4 marks; choosing ONLY (A) and (B) will get +2 marks; choosing ONLY (A) and (D) will get +2marks; choosing ONLY (B) and (D) will get +2 marks; choosing ONLY (A) will get +1 mark; choosing ONLY (B) will get +1 mark; choosing ONLY (D) will get +1 mark; choosing no option(s) (i.e. the question is unanswered) will get 0 marks and choosing any other option(s) will get -2 marks.
- **Q.1** One end of a horizontal uniform beam of weight *W* and length *L* is hinged on a vertical wall at point O and its other end is supported by a light inextensible rope. The other end of the rope is fixed at point Q, at a height *L* above the hinge at point O. A block of weight αW is attached at the point P of the beam, as shown in the figure (not to scale). The rope can sustain a maximum tension of $(2\sqrt{2})W$. Which of the following statement(s) is(are) correct?



- (A) The vertical component of reaction force at O does not depend on α
- (B) The horizontal component of reaction force at O is equal to W for $\alpha = 0.5$
- (C) The tension in the rope is 2W for $\alpha = 0.5$
- (D) The rope breaks if α > 1.5

An Unmatched Experience of Offline

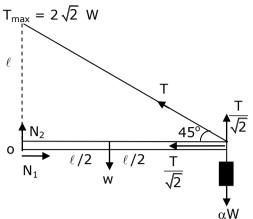
New batch Starting from : 6th October 2021

Motion[®] JEE ADVANCED 2021

ANSWER KEY

Sol. A,B,D

Given



$$\tau_0 = 0$$

From figure

In equilibrium
$$\begin{split} &W \frac{\ell}{2} + \alpha W \,\ell = \frac{T\ell}{\sqrt{2}} \quad(i) \\ &\frac{W}{2} + \alpha W = \frac{2\sqrt{2}W}{2} \\ &\alpha = \frac{3}{2} \qquad \text{condition where rope will just break.} \\ &So, Option D is correct \\ &Again from the figure \\ &Now, N_1 = \frac{T}{\sqrt{2}} = \frac{W}{2} + \frac{W}{2} = W \\ &\rightarrow \text{Option A is correct} \\ &\rightarrow N_2 + \frac{T}{\sqrt{2}} = W + \alpha W \\ &\text{or, } N_2 + \frac{W}{2} + \alpha W = W + \alpha W \\ &\text{or, } N_2 = \frac{W}{2} \text{ (Independent of } \alpha) \end{split}$$

→ Option B is correct

$$\Rightarrow \frac{T}{\sqrt{2}} = \frac{W}{2} + \alpha W$$

$$= \frac{W}{2} + \frac{W}{2} \text{ (If } \alpha = 0.5\text{)}$$

$$= W$$
Or, T = $\sqrt{2} W$
Orticle C is Leaven et

 \rightarrow Option C is Incorrect

OPEN

An Unmatched Experience of Offline

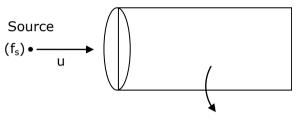


Q.2 A source, approaching with speed u towards the open end of a stationary pipe of length L, is emitting a sound of frequency f_s . The farther end of the pipe is closed. The speed of sound in air is v and f_0 is the fundamental frequency of the pipe. For which of the following combination(s) of u and f_s , will the sound reaching the pipe lead to a resonance ?

ANSWER KEY

(A)
$$u = 0.8v$$
 and $f_s = f_0$
(B) $u = 0.8v$ and $f_s = 2f_0$
(C) $u = 0.8v$ and $f_s = 0.5f_0$
(D) $u = 0.5v$ and $f_s = 1.5f_0$

Sol. A,D



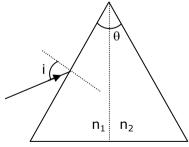
$$f = (2n - 1) f_c$$

Using Doppler's effect

$$\begin{split} f &= \left(\frac{v \pm V_{0}}{v \pm V_{s}}\right) f_{s} \\ f &= \left(\frac{v}{v - u}\right) f_{s} \\ \text{Now, } \left(\frac{v}{v - u}\right) f_{s} &= (2n - 1) f_{0} \end{split}$$

Now check options using values keeping mind (2n-1) must be any possible integer.

Q.3 For a prism of prism angle $\theta = 60^{\circ}$, the refractive indices of the left half and the right half are, respectively, n_1 and n_2 ($n_2 \ge n_1$) as shown in the figure. The angle of incidence i is chosen such that the incident light rays will have minimum deviation if $n_1 = n_2 = n = 1.5$. For the case of unequal refractive indices, $n_1 = n$ and $n_2 = n + \Delta n$ (where $\Delta n \ll n$), the angle of emergence $e = i + \Delta e$. Which of the following statement(s) is (are) correct ?

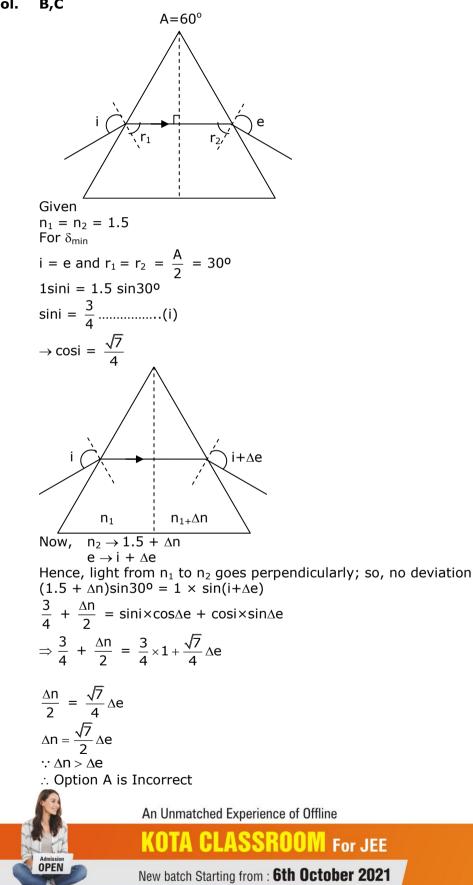


- (A) The value of Δe (in radians) is greater than that of Δn
- (B) Δe is proportional to Δn
- (C) ${\rm \Delta e}$ lies between 2.0 and 3.0 milliradians, if ${\rm \Delta n}$ = 2.8 \times $10^{\text{-3}}$

An Unmatched Experience of Offline

Motion[®] JEE ADVANCED 2021

(D) $\triangle e$ lies between 1.0 and 1.6 milliradians, if $\triangle n = 2.8 \times 10^{-3}$ Sol. B,C



ANSWER KEY

Check option using values given in options.

Q.4 A physical quantity \vec{S} is defined as $\vec{S} = (\vec{E} \times \vec{B}) / \mu_0$, where \vec{E} is electric field, \vec{B} is magnetic field

and μ_0 is the permeability of free space. The dimensions of \bar{S} are the same as the dimensions of which of the following quantity (ies) ?

ANSWER KEY

(A) $\frac{\text{Energy}}{\text{Charge} \times \text{current}}$ (B) $\frac{\text{Force}}{\text{Length} \times \text{Time}}$ (C) $\frac{\text{Energy}}{\text{Volume}}$ (D) $\frac{\text{Power}}{\text{Area}}$ **B,D** Given $\vec{s} = \frac{(\vec{E} \times \vec{B})}{\vec{s}}$

Sol.

This is pointing vector. This gives rate of flow of energy per unit area.

i.e s
$$\rightarrow \frac{J}{sm^2} = \frac{Power}{Area}$$

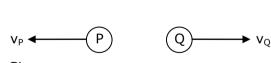
Also, $\frac{Power}{Area}$ can be written in form : $-\frac{F\ell}{t \cdot \ell^2} = \frac{F}{\ell \times t}$

Q.5 A heavy nucleus N, at rest, undergoes fission $N \rightarrow P + Q$, where P and Q are two lighter nuclei. Let $\delta = M_N - M_P - M_Q$, where M_P , M_Q and M_N are the masses of P, Q and N, respectively. E_P and E_Q are the kinetic energies of P and Q, respectively. The speeds of P and Q are v_P and v_Q , respectively. If c is the speed of light, which of the following statement(s) is (are) correct ? (A) $E_P + E_Q = c^2 \delta$

$$\begin{array}{l} (B) \ E_P = \left(\frac{M_P}{M_P + M_Q} \right) c^2 \delta \\ (C) \ \frac{V_P}{V_Q} \ = \ \frac{M_Q}{M_P} \end{array}$$

(D) The magnitude of momentum for P as well as Q is $c\sqrt{2\mu\delta}$, where $\mu = \frac{M_P M_Q}{(M_P + M_Q)}$

Sol. A,C,D



rest

Given $m_p v_p = m_Q m_Q$

 $\frac{v_p}{v_Q} = \frac{m_Q}{m_p}$ $\rightarrow \text{ option C is correct.}$

Now, $E_p + E_0 = \Delta mc^2 = \delta c^2$

An Unmatched Experience of Offline

New batch Starting from : 6th October 2021

 \rightarrow option A is correct.

$$\Rightarrow E_{p} = \frac{P^{2}}{2m_{p}}; E_{Q} = \frac{P^{2}}{2m_{Q}}$$

or, $\frac{E_{p}}{E_{Q}} = \frac{m_{Q}}{m_{p}}$
$$\Rightarrow \frac{E_{p}}{E_{p} + E_{Q}} = \frac{m_{Q}}{m_{p} + m_{Q}}$$

$$\Rightarrow E_{p} = \left(\frac{m_{Q}}{m_{p} + m_{Q}}\right)\delta c^{2}$$

$$\rightarrow \text{ option B is Incorrect.}$$

Now, $E_{p} + E_{Q} = \delta c^{2}$
$$\frac{p^{2}}{2m_{p}} + \frac{p^{2}}{2m_{Q}} = \delta c^{2}$$

$$\frac{p^{2}}{2} \left(\frac{1}{m_{p}} + \frac{1}{m_{Q}}\right) = \delta c^{2}$$

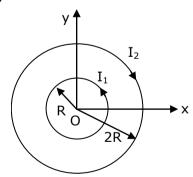
$$\frac{p^{2}}{2} = \delta c^{2} \times \frac{m_{p}m_{Q}}{m_{p} + m_{Q}} = \delta c^{2}\mu$$

$$P^{2} = 2\mu \delta c^{2}$$

$$P = c \sqrt{2\mu\delta}$$

$$\rightarrow \text{ option D is correct.}$$

Q.6 Two concentric circular loops, one of radius R and the other of radius 2R, lie in the xy-plane with the origin as their common center, as shown in the figure. The smaller loop carries current I_1 in the anti-clockwise direction and the larger loop carries current I_2 in the clockwise direction, with $I_2 > 2I_1$. $\vec{B}(x, y)$ denotes the magnetic field at a point (x,y) in the xy-plane. Which of the following statement(s) is (are) correct ?



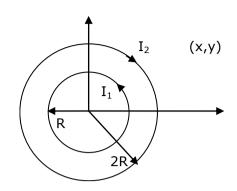
- (A) $\vec{B}(x, y)$ is perpendicular to the x-y plane at any point in the plane
- (B) $|\vec{B}(x,y)|$ depends on x and y only through the radial distance $r = \sqrt{x^2 + y^2}$
- (C) $|\vec{B}(x, y)|$ is non-zero at all points for r < R
- (D) $\vec{B}(x, y)$ points normally outward from the x-y plane for all the points between the two loops

An Unmatched Experience of Offline

New batch Starting from : 6th October 2021

ANSWER KEY

Sol. A,B



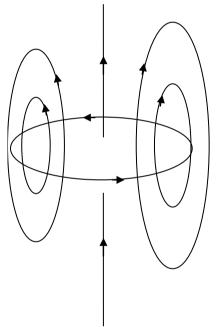
Given $I_2 > 2I_1$

Option A is correct

Because M.F. will always be along z-axis due to both loops at point (x,y)Now, if any point (x,y);

$$r = \sqrt{x^2 + y^2}$$

OPEN



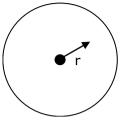
for any point in space; we have disting M.F. So, M.F. will depend on r. Option B is not asking exact relation of M.F. with 'r' So option is B is correct.

Now, at 'O'
$$B_{net} = \frac{\mu_0 I_1}{R} - \frac{\mu_0 I_2}{2R}$$
 B_{net} at 'O' is inward
If $B_{net} = 0$; $\frac{\mu_0 I_1}{R} = \frac{\mu_0 I_2}{2R}$
 $I_2 = 2I_1$ But in Question its given that $I_2 > 2I_1$

An Unmatched Experience of Offline

New batch Starting from : 6th October 2021

ANSWER KEY



If $r \rightarrow 0$; $B_1 \rightarrow \infty$ So there may be possibility that $B_1 = B_2$ So be may become zero somewhere.

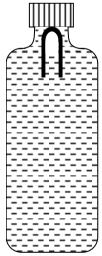
Section – 2

- This section contains THREE (03) question stems.
- There are TWO (02) questions corresponding to each question stem.
- The answer to each question is a NUMERICAL VALUE.
- For each question, enter the correct numerical value corresponding to the answer in the designated place using the mouse and the on-screen virtual numeric keypad.
- If the numerical value has more than two decimal places, truncate/round-off the value to TWO decimal places.
- Answer to each question will be evaluated according to the following marking scheme:
 Full Marks : +2 If ONLY the correct numerical value is entered at the designated place;
 Zero Marks : 0 In all other cases.

Questions stem for questions nos. 7 and 8

Question Stem

A soft plastic bottle, filled with water of density 1 gm/cc, carries an inverted glass test-tube with some air (ideal gas) trapped as shown in the figure. The test-tube has a mass of 5 gm, and it is made of a thick glass of density 2.5 gm/cc. Initially the bottle is sealed at atmospheric pressure $p_0 = 10^5$ Pa so that the volume of the trapped air is $v_0 = 3.3$ cc. When the bottle is squeezed from outside at constant temperature, the pressure inside rises and the volume of the trapped air reduces. It is found that the test tube begins to sink at pressure $p_0 + \Delta p$ without changing its orientation. At this pressure, the volume of the trapped air is $v_0 - \Delta v$. Let $\Delta v = X$ cc and $\Delta p = Y \times 10^3$ Pa.





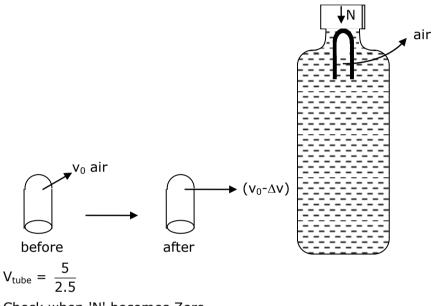
An Unmatched Experience of Offline

New batch Starting from : 6th October 2021

ANSWER KEY

- Q.7 The value of X is _____.
- Sol. 0.3
- **Q.8** The value of Y is _____.
- Sol. 10

Given $m_{tube} = 5g$ $\rho_{tube} = 2.5 \text{ gm/cc.}$



Check when 'N' becomes Zero. $mg = \rho_w (v_{air} + v_{tube})g$ $5g = 1 (v_{air} + \frac{5}{2.5})g$ $v_{air} = 3cc \rightarrow \text{ when N is just zero.}$ $\Delta v = 3.3 cc - 3cc = 0.3cc$ Sol. (7) = 0.3ccNow, Sol.8 PV = constant $P_1 V_1 = P_2 V_2$ $10^5 (3.3) = P_2(3)$

 $P_{2} = 1.1 \times 10^{5}$ $\Delta P = P_{2} - P_{1} = 1.1 \times 10^{5} - 10^{5}$ $= 0.1 \times 10^{5}$ $= 10 \times 10^{3} \text{ pascal}$ $= Y \times 10^{3} \text{ pascal}$ So, Y = 10

An Unmatched Experience of Offline

KOTA CLASSROOM For JEE

New batch Starting from : 6th October 2021

Motion[®] JEE ADVANCED 2021

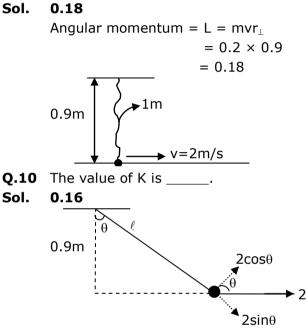
Questions stem for Qusetions nos. 9 and 10

Question Stem

A pendulum consists of a bob of mass m = 0.1 kg and a massless inextensible string of length L = 1.0 m. It is suspended from a fixed point at height H = 0.9 m above a frictionless horizontal floor. Initially, the bob of the pendulum is lying on the floor at rest vertically below the point of suspension. A horizontal impulse P = 0.2 kg-m/s is imparted to the bob at some instant. After the bob slides for some distance, the string become taut and the bob lifts off the floor. The magnitude of the angular momentum of the pendulum about the point of suspension just before the bob lifts off is J kg-m²/s. The kinetic energy of the pendulum just after the lift off is K joules.

ANSWER KEY

Q.9 The value of J is _____.



 $2sin\theta$ will become zero because of impulse from string

K.E. = $\frac{1}{2} \times 0.1 \times (2 \times 0.9)^2$ = 0.16J

Questions Stem for Questions nos. 11 and 12

Question Stem

In a circuit, a metal filmanet lamp is connected in series with a capacitor of capacitance C_µF across a 200 V, 50 Hz supply. The power consumed by the lamp is 500 W while the voltage drop across it is 100 V. Assume that there is no inductive load in the circuit. Take rms values of the voltages. The magnitude of the phase angle (in degrees) between the current and the supply voltage is ϕ . Assume, $\pi\sqrt{3} \approx 5$.

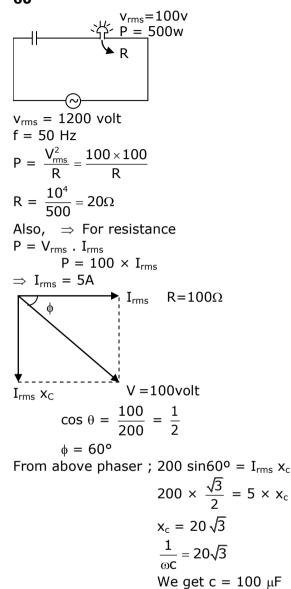
- Q.11 The value of C is _____.
- Sol. 100

An Unmatched Experience of Offline



ANSWER KEY

Q.12 The value of ϕ is _____. **Sol. 60**



Section – 3

- This section contains TWO (02) paragraphs. Based on each paragraph, there are TWO (02) questions.
- Each question has FOUR options (A), (B), (C) and (D). ONLY ONE of these four options is the correct answer.
- For each question, choose the option corresponding to the correct answer.
- Answer to each question will be evaluated according to the following marking scheme:
 Full Marks : +3 If ONLY the correct option is chosen;
 Zero Marks : 0 If none of the options is chosen (i.e. the question is unanswered);
 Negative Marks : -1 In all other cases.

An Unmatched Experience of Offline

Paragraph

A special metal S conducts electricity without any resistance. A closed wire loop, made of S, does not allow any change in flux through itself by inducing a suitable current to generate a compensating flux. The induced current in the loop cannot decay due to its zero resistance. This current gives rise to a magnetic moment which in turn repels the source of magnetic field or flux. Consider such a loop, of radius a, with its center at the origin. A magnetic dipole of moment m is brought along the axis of this loop from infinity to a point at distance r (>> a) from the center of the loop with its north pole always faing the loop, as shown in the figure below. The magnitude of magnetic field of a dipole m, at a point on its axis at distance r, is

 $\frac{\mu_0}{2\pi} \frac{m}{r^3}$, where μ_0 is the permeability of free space. The magnitude of the force between two magnetic dipoles with moments, m_1 and m_2 , separated by a distance r on the common axis, with their north poles facing each other, is $\frac{km_1m_2}{r^4}$, where k is a constant of appropriate

dimensions. The direction of this force is along the line joining the two dipoles.

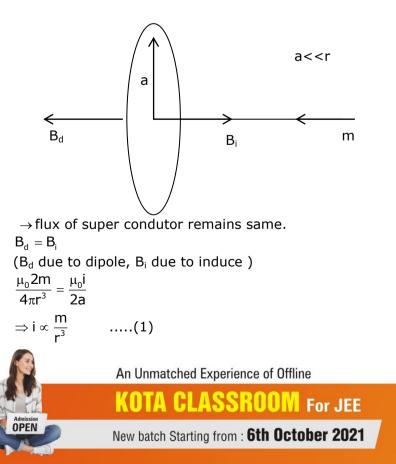


Q.13 When the dipole m is placed at a distance r from the center of the loop (as shown in the figure), the current induced in the loop will be proportional to (A) m/r^3 (B) m^2/r^2 (C) m/r^2 (D) m^2/r

(A)
$$m/r^3$$
 (B) m^2/r^2 (C) m/r^2 (D) m^2 ,
Sol. A

Q.14 The work done in bringing the dipole from infinity to a distance r from the center of the loop by the given proces is proportional to (A) m/r^5 (B) m^2/r^5 (C) m^2/r^6 (D) m^2/r^7

(A) m/r^5 (B) m^2/r^5 (C) m^2/r^6 (D) m^2/r^7 Sol. C

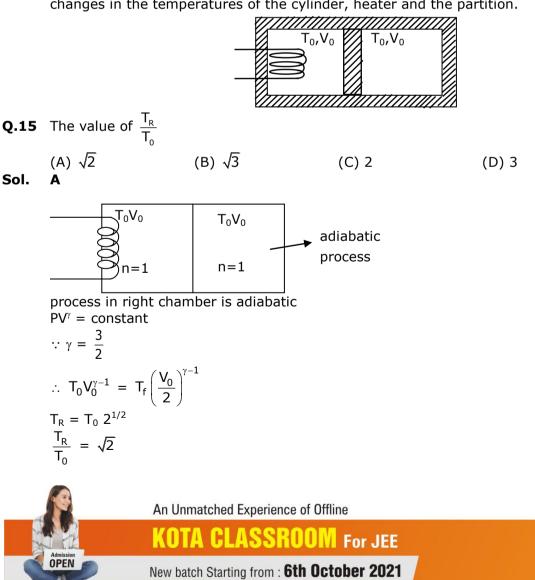


ANSWER KEY

$$\begin{split} W &= U_{f} - U_{i} \quad \text{and} \quad U = -\vec{M}.\vec{B} \\ U_{i} &= 0 \qquad \qquad = MB \qquad \left(\theta = 180^{\circ}\right) \\ \therefore W &= mB \\ W &= m \frac{\mu_{0}ia^{2}}{2(a^{2} + r^{2})^{\frac{3}{2}}} \\ \text{Put i from equation (1)} \\ W &\propto \frac{m^{2}}{r^{6}} \end{split}$$

Paragraph

A thermally insulating cylinder has a thermally insulating and frictionless movable partition in the middle, as shown in the figure below. On each side of the partition, there is one mole of an ideal gas, with specific heat at constant volume, $C_V=2R$. Here, R is the gas constant. Initially, each side has a volume V_0 and temperature T_0 . The left side has an electric heater, which is turned on at very low power to transfer heat Q to the gas on the left side. As a result the partition moves slowly towards the right reducing the right side volume to $V_0/2$. Consequently, the gas temperatures on the left and the right sides become T_L and T_R , respectively. Ignore the changes in the temperatures of the cylinder, heater and the partition.



ANSWER KEY

Q.16 The value of
$$\frac{Q}{RT_0}$$

Sol.

$$B$$

$$U_R = \frac{1}{T_L}$$

$$T_R$$

$$T_R = \frac{1}{T_R}$$

$$M_R = \frac{1}{T_L}$$

$$T_R$$

$$T_R = \frac{1}{T_R}$$

$$M_R = 0$$

$$T_L = \frac{1}{T_R}$$

$$M_R = 0$$

$$T_L = \frac{1}{T_R}$$

$$M_R = 0$$

- The answer to each question is a NON-NEGATIVE INTEGER.
- For each question, enter the correct integer corresponding to the answer using the mouse and the on-screen virtual numeric keypad in the place designated to enter the answer.
 Answer to each question will be evaluated according to the following marking scheme:
 - Answer to each question will be evaluated according to the following marking scheme Full Marks : +4 If ONLY the correct integer is entered;
 - Full Marks : +4 If ONLY the correct integer is enter Zero Marks : 0 In all other cases.

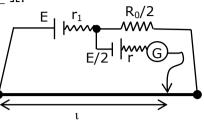
An Unmatched Experience of Offline

KOTA CLASSROOM For JEE

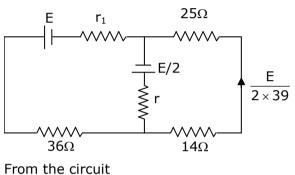
New batch Starting from : 6th October 2021

Q.17 In order to measure the internal resistance r_1 of a cell of emf E, a meter bridge of wire resistance $R_0 = 50\Omega$, a resistance $R_0/2$, another cell of emf E/2 (internal resistance r) and a galvanometer G are used in a circuit, as shown in the figure. If the null point is found at l=72 cm, then the value of $r_1 = _$ Ω .

ANSWER KEY

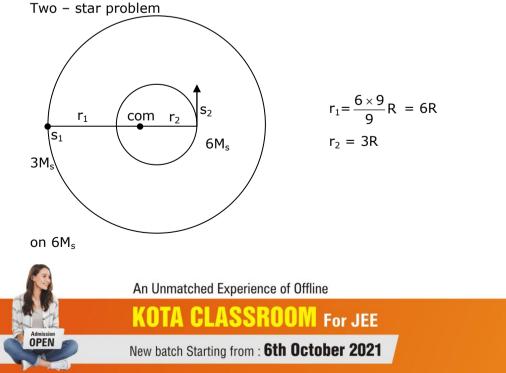


Sol. 3



 $\frac{E}{2 \times 39} = \frac{E}{75 + r_1}$ 75 + r₁ = 2 × 39 r₁ = 3 Ω

- **Q.18** The distance between two stars of masses $3M_s$ and $6M_s$ is 9R. Here R is the mean distance between the centers of the Earth and the Sun, and M_s is the mass of the Sun. The two stars orbit around their common center of mass in circular orbits with period nT, where T is the period of Earth's revolution around the Sun. The value of n is _____.
- Sol. 9



Q.19 In a photoemission experiment, the maximum kinetic energies of photoelectrons from metals P, Q and R are E_P , E_Q and E_R , respectively, and they are related by $E_P=2E_Q=2E_R$. In this experiment, the same source of monochromatic light is used for metals P and Q while a different source of monochromatic light is used for the metal R. The work functions for metals P, Q and R are 4.0 eV, 4.5 eV and 5.5 eV, respectively. The energy of the incident photon used for metal R, in eV, is _____.

Sol. 6

Photo-electric effect $E = hv - W_0$ Here, W_0 = work function Given : $E_P = 2E_Q = 2E_R$ Now, $E_P = h \upsilon_P - 4$...(i) $E_0 = hv_0 - 4.5$(ii) $E_{R} = hv_{R} - 5.5$(iii) we have to calculate $h\upsilon_R$ $\upsilon_Q = \upsilon_Q \rightarrow \text{Given}$ Equation (i) - equation (ii) E = 0.5 $hv_R = 6$



An Unmatched Experience of Offline



हो चुकी है ऑफलाइन क्लासरूम की शुरूआत अपने सपने को करो साकार, कोटा कोचिंग के साथ



Nitin Vijay (NV Sir) Managing Director Exp. : 18 yrs

Directors of Nucleus Education & Wizard of Mathematics

Now Offline associated with Motion Kota Classroom



Akhilesh Kanther (AKK Sir) Exp. : 17 yrs

Vishal Joshi Surendra K. Mishra (SKM Sir) Exp. : 18 yrs Exp. : 16 yrs



Gavesh Bhardwai (GB Sir) Exp. : 17 yrs

Academic Pillars of JEE MOTION KOTA

(VJ Sir)



Ram Ratan Dwivedi (RRD Sir) Joint Director Exp.: 20 yrs



Anurag Garg (AG Sir) Sr. Faculty Exp.: 17 yrs



Vijay Pratap Singh (VPS Sir) Vice President Exp. : 20 yrs



Nikhil Srivastava (NS Sir) Head JEE Academics Exp. : 17 yrs



Aatish Agarwal (AA Sir) Sr. Faculty Exp. : 17 yrs

(VS Sir)

Sr. Faculty

Exp.: 12 yrs



Jayant Chittora (JC Sir) Sr. Faculty Exp. : 16 yrs



Durgesh Pandey (Pandey Sir) Sr. Faculty Exp. : 8 yrs

(AV Sir) Joint Director Exp. : 16 yrs

Arjun Gupta

(Arjun Sir) Sr. Faculty

Exp. : 14 yrs



(DN Sir) Sr. Faculty Exp. : 13 yrs



(AVN Sir) Sr. Faculty Exp. : 9 yrs



Batch Starting from : 6th October 2021