

Resonance
Educating for better tomorrow

JEE (Main) PAPER-1 (B.E./B. TECH.)

2022

COMPUTER BASED TEST (CBT) Memory Based Questions & Solutions

Date: 26 June, 2022 (SHIFT-1) | TIME : (9.00 a.m. to 12.00 p.m)
Duration: 3 Hours | Max. Marks: 300

SUBJECT: PHYSICS

Resonance Eduventures Ltd.
Reg. Office & Corp. Office : CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Raj.) - 324005
Ph. No.: +91-744-2777777, 2777700 | FAX No.: +91-022-39167222
To Know more : sms RESO at 56677 | Website : www.resonance.ac.in | E-mail : contact@resonance.ac.in | CIN : U80302RJ2007PLC024029
Toll Free : 1800 258 5555 | 7340010333 | facebook.com/ResonanceEd | twitter.com/ResonanceEd | www.youtube.com/resonance | blog.resonance.ac.in

This solution was download from Resonance JEE (MAIN) 2022 Solution portal

Resonance | JEE MAIN-2022 | DATE : 26-06-2022 (SHIFT-1) | PAPER-1 | MEMORY BASED | PHYSICS

PART : PHYSICS

1. A plane flying horizontally at a height of 1500 m with a velocity of 200 ms^{-1} passes directly overhead an anti-aircraft gun. Then the angle with the horizontal at which the gun should be fired for the shell with a muzzle velocity of 400 m s^{-1} to hit the plane, is -
- (1) 90° (2) 60° (3) 30° (4) 45°

Ans. (2)



To hit $400 \cos \theta = 200$

\therefore Both travel equal distance along horizontal, of their start and coordinates an x axis are same)

$\Rightarrow \theta = 60^\circ$ Ans.

2. A particle is projected in vertical direction with speed u . Which of the quantity is zero at top most position.

- (1) momentum (2) acceleration (3) force (4) potential energy

Ans. (1)

3. A capacitor of capacitance C_1 is charged with the help of battery of potential V . After fully charged, battery is removed and this capacitor C_1 is connect with another uncharged capacitor of capacitance C_2 in parallel combination then in equilibrium charge on capacitor C_2 is

- (1) $\frac{VC_1C_2}{C_1 + C_2}$ (2) $\frac{VC_2C_2}{C_1 + C_2}$ (3) $\frac{VC_2C_2}{C_1 - C_2}$ (4) $\frac{VC_1C_1}{C_1 + C_2}$

Ans. (1)

Sol. common potential $V = \frac{V_1C_1}{C_1 + C_2}$

So, charge on capacitor C_2

$$Q_2 = C_2V = C_2 \left(\frac{V_1C_1}{C_1 + C_2} \right)$$

4. Initial angular velocity of a circular disc of mass M is ω_1 . Now two small spheres of mass m are attached gently to the diametrically opposite points on the edge of the disc. What is the final angular velocity of the disc ?

- (1) $\left(\frac{M+m}{M} \right) \omega_1$ (2) $\left(\frac{M+m}{m} \right) \omega_1$ (3) $\left(\frac{M}{M+4m} \right) \omega_1$ (4) $\left(\frac{M}{M+2m} \right) \omega_1$

Ans. (3)

Sol. Conservation of angular momentum gives

$$\Rightarrow \frac{1}{2} MR^2 \omega_1 = \frac{1}{2} R^2 (M + 4m) \omega_2 \quad \therefore \omega_2 = \left(\frac{M}{M + 4m} \right) \omega_1$$

Resonance Eduventures Ltd.

Reg. Office & Corp. Office : CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Raj.) - 324005

Ph. No.: +91-744-2777777, 2777700 | FAX No. : +91-022-39167222

To Know more : sms RESO at 56677 | Website : www.resonance.ac.in | E-mail : contact@resonance.ac.in | CIN : U80302RJ2007PLC024029

Toll Free : 1800 258 5555 | 7340010333 | facebook.com/ResonanceEdu | twitter.com/ResonanceEdu | www.youtube.com/reswatch | blog.resonance.ac.in

This solution was download from Resonance JEE (MAIN) 2022 Solution portal

PAGE # 1

Resonance® Educating for better tomorrow | JEE MAIN-2022 | DATE : 26-06-2022 (SHIFT-1) | PAPER-1 | MEMORY BASED | PHYSICS

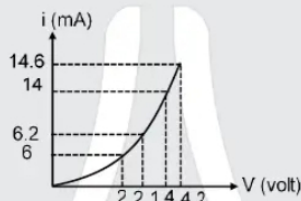
5. An ideal gas of molar weight M_0 is filled in a non-conducting closed container, and the container is initially moving with a speed of V . If the container is suddenly stopped, then the increase in temperature of the gas will be: ($\gamma_{\text{gas}} = 1.5$)

- (1) $\frac{M_0 V^2}{2R}$ (2) $\frac{M_0 V^2}{3R}$ (3) $\frac{M_0 V^2}{4R}$ (4) $\frac{M_0 V^2}{5R}$

Ans. (4)

Sol. $\frac{1}{2} MV^2 = n \left(\frac{f}{2} R \right) \Delta T$; $\frac{1}{2} (nM_0) V^2 = n \frac{5}{2} R \Delta T$; $\Delta T = \frac{M_0 V^2}{5R}$

6. Characteristic curve of a diode is as shown below. Its dynamic resistance at $v = 2$ volt and $v = 4$ volt will be respectively:



- (1) $500\Omega, 333.33\Omega$ (2) $333.33\Omega, 500\Omega$ (3) $800\Omega, 667\Omega$ (4) $667\Omega, 800\Omega$

Ans. (1)

Sol. $R = \frac{\Delta V}{\Delta i}$

Dynamic resistance at $V = 2V$

$$R = \frac{\Delta V}{\Delta i} = \frac{0.1}{0.2 \times 10^{-3}} = 500 \Omega$$

Dynamic resistance at $V = 4V$

$$R = \frac{\Delta V}{\Delta i} = \frac{0.2}{0.6 \times 10^{-3}} = 333.33 \Omega$$

7. Proton and α -particle are projected with same speed in uniform magnetic field in the direction perpendicular to the magnetic field. Then ratio of radii in magnetic field is :

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

Ans. (2)

Sol. For circular path in magnetic field.

$$r = \frac{mV}{qB}$$

So,

	p	α
m	1	4
q	+e	2e

$$r_1 : r_2 = \frac{1}{e} : \frac{4}{2e} = \frac{1}{2} = 1 : 2$$

Resonance Eduventures Ltd.

Reg. Office & Corp. Office : CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Raj.) - 324005

Ph. No.: +91-744-2777777, 2777700 | FAX No.: +91-022-39167222

To Know more : sms RESO at 56677 | Website : www.resonance.ac.in | E-mail : contact@resonance.ac.in | CIN : U80302RJ2007PLC024029

Toll Free : 1800 258 5555 | 7340010333 | facebook.com/ResonanceEdu | twitter.com/ResonanceEdu | www.youtube.com/ResonanceEdu | blog.resonance.ac.in

This solution was download from Resonance JEE (MAIN) 2022 Solution portal

PAGE # 2

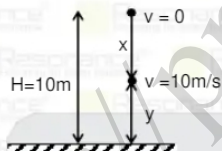
Resonance Educating for better tomorrow | JEE MAIN-2022 | DATE : 26-06-2022 (SHIFT-1) | PAPER-1 | MEMORY BASED | PHYSICS

8. A particle is released from rest from height 10m. Find height of particle from ground when speed of particle becomes 10 m/s : (Use $g = 10 \text{ m/s}^2$)

- (1) 10 m (2) 8 m (3) 4 m (4) 5 m

Ans. (4)

Sol.



From equation of motion from top

$$v^2 = u^2 + 2as$$

$$10^2 = 0 + 2gx$$

$$x = 5 \text{ m}$$

So, height from ground $y = H - x = 10 - 5 = 5 \text{ m}$

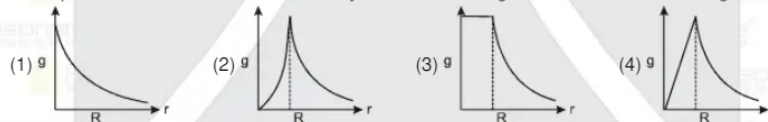
9. The efficiency of an ideal heat engine working between the freezing point and boiling point of water is

- (1) 26.8 % (2) 12.5 % (3) 6.25 % (4) 20 %

Ans. (1)

$$\text{Sol. } \eta = 1 - \frac{T_{\text{less}}}{T_{\text{more}}} = 1 - \frac{273}{373} = 26.8 \%$$

10. The dependence of acceleration due to gravity g on the distance r from the centre of the earth, assumed to be a sphere of radius R of uniform density is as shown in figures below. The correct figure is :



Ans. (4)

Sol. The acceleration due to gravity at a depth d below surface of earth is

$$g' = \frac{GM}{R^2} \left(1 - \frac{d}{R}\right) = g \left(1 - \frac{d}{R}\right)$$

$g' = 0$ at $d = R$

i.e., acceleration due to gravity is zero at the centre of earth.

Thus, the variation in value g with r is

for, $r > R$,

Here, $R + h = r$

For $r < R$, $g' = g \left(1 - \frac{d}{R}\right) = \frac{gr}{R}$

Resonance Eduventures Ltd.

Reg. Office & Corp. Office : CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Raj.) - 324005

Ph. No.: +91-744-2777777, 2777700 | FAX No.: +91-022-39167222

To Know more : sms RESO at 56677 | Website : www.resonance.ac.in | E-mail : contact@resonance.ac.in | CIN : U80302RJ2007PLC024029

Toll Free : 1800 258 5555 | 7340010333 | Facebook.com/ResonanceEdu | Twitter.com/ResonanceEdu | www.youtube.com/resowatch | blog.resonance.ac.in

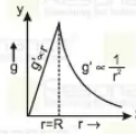
This solution was download from Resonance JEE (MAIN) 2022 Solution portal

PAGE # 3

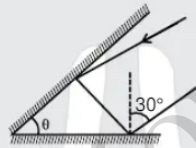
Resonance Educating for better tomorrow | JEE MAIN-2022 | DATE : 26-06-2022 (SHIFT-1) | PAPER-1 | MEMORY BASED | PHYSICS

Here, $R - d = r \Rightarrow g' \propto r$

Therefore, the variation of g with distance from centre of the earth will be as shown in the figure.



11. Two mirrors are inclined at an angle $\theta = 75^\circ$ as shown in the figure. Light ray is incident as shown in figure total deviation of light will be :



- (1) 195° (2) 210° (3) 160° (4) 200°

Ans. (2)

Sol. $d = 360^\circ - 2\theta = 360^\circ - 150^\circ = 210^\circ$

12. Choose the correct statement for in amplitude modulation:

- (1) The amplitude of the modulated wave varies according to the message signal
 (2) The amplitude of the modulating wave varies according to the message signal
 (3) The frequency of the modulated wave varies according to the message signal
 (4) The frequency of the modulating wave varies according to the message signal

Ans. (4)

13. Flux passing through a coil varies with time according to $\phi(t) = 5t^3 + 18t$. If resistance of the coil is $5k\Omega$, then the current through the coil at $t = 2$ will be :

- (1) 10.2 mA (2) 15.6 mA (3) 25.3 mA (4) 78 mA

Ans. (2)

Sol. $\phi = 5t^3 + 18t$

$$|Emf| = \frac{d\phi}{dt} = 15t^2 + 18$$

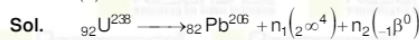
$$|Emf|_{at\ t=2} = 15(2)^2 + 18 = 78 \text{ volt}$$

$$I = \frac{|Emf|}{R} = \frac{78}{5 \times 10^3} = 15.6 \text{ mA}$$

14. ${}_{92}U^{238}$ decays into Pb^{206} . How many α and β^- particles will be emitted

- (1) 4 α and 7 β particles (2) 8 α and 4 β particles
 (3) 8 α and 6 β particles (4) 6 α and 8 β particles

Ans. (3)



$$238 \approx 206 + 4n_1 + n_2(0) \Rightarrow n_1 = 8$$

$$92 = 82 + (n_1)(2) + (n_2)(-1) \Rightarrow n_2 = 6$$

Resonance Eduventures Ltd.

Reg. Office & Corp. Office : CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Raj.) - 324005

Ph. No.: +91-744-2777777, 2777700 | FAX No.: +91-022-39167222

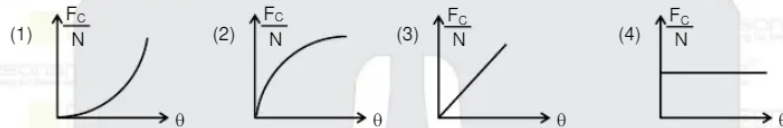
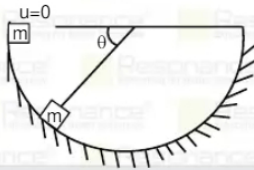
To Know more : sms RESO at 56677 | Website : www.resonance.ac.in | E-mail : contact@resonance.ac.in | CIN : U80302RJ2007PLC024029

Toll Free : 1800 258 5555 | 7340010333 | Facebook.com/ResonanceEdu | Twitter.com/ResonanceEdu | www.youtube.com/resowatch | blog.resonance.ac.in

This solution was download from Resonance JEE (MAIN) 2022 Solution portal

PAGE # 4

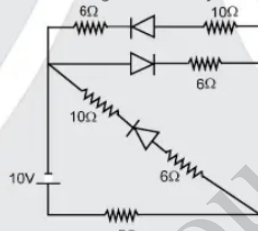
15. A block of mass m is released from the top-most point of a vertical cylindrical surface of radius R . If the magnitude of centripetal force and normal reaction at a general θ are respectively F_c and N , then correct graph of F_c/N versus θ will be :



Ans. (3)

Sol. $V = \sqrt{2gh} = \sqrt{2gR\sin\theta}$, $F_c = \frac{mv^2}{R} = 2mg\sin\theta$
 $N = mg\sin\theta + \frac{mv^2}{R} = 3mg\sin\theta$, $\frac{F_c}{N} = \frac{2}{3} = \text{const.}$

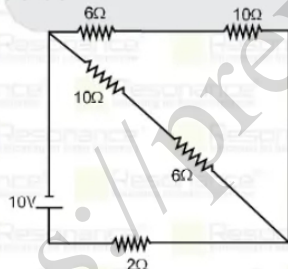
16. In the given diagram find the current through the battery



- (1) 1A (2) 2A (3) 3A (4) 4A

Ans. (1)

Sol. Effective CKT is



$$i = \frac{10}{10} = 1A$$

Resonance Eduventures Ltd.

Reg. Office & Corp. Office : CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Raj.) - 324005

Ph. No.: +91-744-2777777, 2777700 | FAX No.: +91-022-39167222

To Know more : sms RESO at 56677 | Website : www.resonance.ac.in | E-mail : contact@resonance.ac.in | CIN : U80302RJ2007PLC024029

Toll Free : 1800 258 5555 7340010333 facebook.com/ResonanceEdu twitter.com/ResonanceEdu www.youtube.com/resowatch blog.resonance.ac.in

17. The length of a wire is increased by 0.4% by stretching it. What will the % change in resistance is

- (1) 0.5% (2) 0.8% (3) 0.3% (4) 0.2%

Ans. (2)

Sol. $R = \frac{SL}{A}$ but volume $LA = \text{constant}$ so $A \propto \frac{1}{L}$
 so $R \propto L^2$
 $\frac{\Delta R}{R} \times 100 = 2 \left(\frac{\Delta L}{L} \times 100 \right) = 2 \times (0.4) = 0.8\%$

current is following in a inductor, of inductance $L = 50 \mu\text{H}$. Now it is reduced upto zero in $100 \mu\text{sec}$. Induced emf in inductor in this interval is :

- (1) 1 volt (2) 3 volt (3) 5 volt (4) 7 volt

Ans. (1)

Sol. $\epsilon = \frac{\Delta\phi}{\Delta t} = \frac{L\Delta i}{\Delta t} = \frac{50 \times 10^{-6} \times 2}{100 \times 10^{-6}}$
 $\epsilon = 1 \text{ volt}$

19. Radiations of wave length λ is incident on particles of dimensions $\lambda/100$, which type of phenomenon will take place :

- (1) Reflection (2) Refraction (3) Scattering (4) Diffraction

Ans. (3)

Sol. If size of particle is very small then wave length of light then scattering will happen.

20. An electromagnetic wave is travelling in vacuum and its equation in the form of electric field is given by:

$\vec{E} = -a \sin(kz - \omega t) \hat{i} - b \sin(kz - \omega t) \hat{j}$, then its equation in the form of magnetic field will be

- (1) $\vec{B} = \frac{b\hat{i} - a\hat{j}}{c} \sin(kz - \omega t)$ (2) $\vec{B} = \frac{b\hat{i} + a\hat{j}}{c} \sin(kz - \omega t)$
 (3) $\vec{B} = \frac{-b\hat{i} - a\hat{j}}{c} \sin(kz - \omega t)$ (4) $\vec{B} = \frac{-b\hat{i} + a\hat{j}}{c} \sin(kz - \omega t)$

Ans. (1)

Sol. $\vec{E} = -(-a\hat{i} - b\hat{j}) \sin(kz - \omega t) \hat{i} \Rightarrow E_0 = \sqrt{a^2 + b^2}$

$\frac{E_0}{B_0} = C \Rightarrow B_0 = \frac{E_0}{c} = \frac{\sqrt{a^2 + b^2}}{c} \Rightarrow |B| = \frac{\sqrt{a^2 + b^2}}{c} \sin(kz - \omega t)$

$\vec{B} = \hat{C} \times \vec{E} = (\hat{k}) \times \left(\frac{a\hat{i} + b\hat{j}}{\sqrt{a^2 + b^2}} \right) = \frac{b\hat{i} - a\hat{j}}{\sqrt{a^2 + b^2}}$

$\vec{B} = |B| \hat{B} = \frac{\sqrt{a^2 + b^2}}{c} \sin(kz - \omega t) \times \frac{b\hat{i} - a\hat{j}}{\sqrt{a^2 + b^2}}$

$\vec{B} = \frac{b\hat{i} - a\hat{j}}{c} \sin(kz - \omega t)$

Resonance Eduventures Ltd.

Reg. Office & Corp. Office : CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Raj.) - 324005

Ph. No.: +91-744-2777777, 2777700 | FAX No. : +91-022-39167222

To Know more : sms RESO at 56677 | Website : www.resonance.ac.in | E-mail : contact@resonance.ac.in | CIN : U80302RJ2007PLC024029

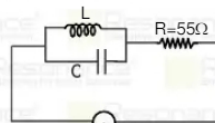
Toll Free : 1800 258 5555 | 7340010333 | Facebook.com/ResonanceEdu | Twitter.com/ResonanceEdu | www.youtube.com/resowatch | blog.resonance.ac.in

This solution was download from Resonance JEE (MAIN) 2022 Solution portal

PAGE # 6

Resonance Eduventures Ltd. | JEE MAIN-2022 | DATE : 26-06-2022 (SHIFT-1) | PAPER-1 | MEMORY BASED | PHYSICS

21. If the given circuit is in resonance (i.e. $X_L = X_C$), then the rms current in the circuit will be



$V = 110 \text{ Volt}$
 $f = 50 \text{ Hz}$

- (1) 2 Amp (2) 4 Amp (3) 0.5 Amp (4) zero

Ans. (4)

Sol. $X_L = i(L\omega)$, $X_C = -\frac{i}{C\omega}$

Their resultant will be $\frac{X_C X_L}{X_C + X_L} = \frac{(i(L\omega)) \left(-\frac{i}{C\omega} \right)}{iL\omega + \left(-\frac{i}{C\omega} \right)}$

$= \frac{\frac{L}{C}}{\left(L\omega - \frac{i}{C\omega} \right)} = -\frac{L}{C \left(L\omega - \frac{1}{C\omega} \right)}$

In case of resonance $\omega = \frac{1}{\sqrt{LC}}$

22. Wave length of a photon and de-Broglie wavelength of an electron is same. The speed of an electron is V & speed of a photon is C . The ratio of Kinetic energies (KE) & momentums (P) of these are

(1) $\frac{KE_e}{KE_{Ph}} = \frac{2C}{V}$ (2) $\frac{KE_e}{KE_{Ph}} = \frac{V}{2C}$ (3) $\frac{P_e}{P_{Ph}} = \frac{1}{2}$ (4) $\frac{P_e}{P_{Ph}} = 2$

Ans. (2)

Sol. For both

$$L = \frac{h}{P} \Rightarrow P = \frac{h}{\lambda}$$

So P will be same for e & photon

$$KE_e = \frac{1}{2}mv^2 = \frac{PV}{2}$$

$$KE_{Ph} = mC^2 = PC$$

$$\frac{KE_e}{KE_{ph}} = \frac{V}{2C}$$

Resonance Eduventures Ltd.

Reg. Office & Corp. Office : CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Raj.) - 324005

Ph. No.: +91-744-2777777, 2777700 | FAX No. : +91-022-39167222

To Know more : sms RESO at 56677 | Website : www.resonance.ac.in | E-mail : contact@resonance.ac.in | CIN : U80302RJ2007PLC024029

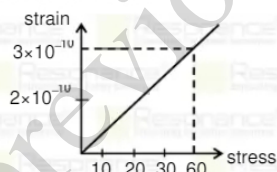
Toll Free : 1800 258 5555 | 7340010333 | Facebook.com/ResonanceEdu | Twitter.com/ResonanceEdu | www.youtube.com/reswitch | blog.resonance.ac.in

This solution was download from Resonance JEE (MAIN) 2022 Solution portal

PAGE # 7

Resonance® | JEE MAIN-2022 | DATE : 26-06-2022 (SHIFT-1) | PAPER-1 | MEMORY BASED | PHYSICS

23. On a rod stress – strain graph is as shown strain



When strain in wire is 5×10^{-2} then find energy stored per unit volume in the wire

(1) $5 \times 10^7 \text{ J/m}^3$ (2) $7 \times 10^7 \text{ J/m}^3$ (3) $9 \times 10^7 \text{ J/m}^3$ (4) 10^7 J/m^3

Ans. (3)

Sol. From given graph

$$Y = \frac{\text{stress}}{\text{strain}}$$

$$Y = \frac{60}{3 \times 10^{-10}} = 2 \times 10^{11} \text{ N/m}^2$$

$$\text{Energy density} = \frac{1}{2} Y(\text{strain})^2$$

$$= \frac{1}{2} (2 \times 10^{11})(3 \times 10^{-2})^2 = 9 \times 10^7 \text{ J/m}^3$$

24. A uniform elastic wire is hanging near the earth's surface then stretching due to its self weight is $x = 10^{-6} \text{ m}$. If it is hanged near the surface of an another planet, then its stretching is $6 \times 10^{-5} \text{ m}$. If gravity field near the earths surface is 10 m/sec^2 , then the gravity field near the other planet will be in m/sec^2 :

(1) 4 (2) 6 (3) 8 (4) 12

Ans. (2)

$$\text{Sol. } x = \frac{\langle T \rangle}{K} = \frac{\frac{mg+0}{2}}{\frac{YA}{\ell_0}} = \frac{mg \ell_0}{2YA}$$

$$x \propto g \Rightarrow \frac{g_2}{g_1} = \frac{x_2}{x_1} \Rightarrow \frac{g_2}{10} = \frac{6 \times 10^{-5}}{10 \times 10^{-5}}$$

$$g_2 = 6$$

Resonance Eduventures Ltd.

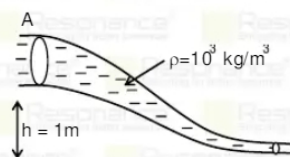
Reg. Office & Corp. Office : CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Raj.) - 324005
Ph. No.: +91-744-2777777, 2777700 | FAX No. : +91-022-39167222

To Know more : sms RESO at 56677 | Website : www.resonance.ac.in | E-mail : contact@resonance.ac.in | CIN : U80302RJ2007PLC024029
Toll Free : 1800 258 5555 | 7340010333 | facebook.com/ResonanceEdu | twitter.com/ResonanceEdu | www.youtube.com/reswatch | blog.resonance.ac.in

This solution was download from Resonance JEE (MAIN) 2022 Solution portal | PAGE # 8

Resonance Eduventures Ltd. | JEE MAIN-2022 | DATE : 26-06-2022 (SHIFT-1) | PAPER-1 | MEMORY BASED | PHYSICS

25. A liquid is flowing in a non-uniform pipe as shown. Cross-sectional area at A is double then cross-sectional area at B. A is at 1 m height from B. Pressure at B is 4000 Pascal higher then A. Velocity at point A is



- (1) 2 m/s (2) 4 m/s (3) 6 m/s (4) 8 m/s

Ans. (1)

Sol. From eqⁿ

$$\frac{1}{2} \rho V_A^2 + \rho gh + P_A = \frac{1}{2} \rho V_B^2 + \rho gh + P_B$$
$$10^3 V_B^2 + 2 \times 10^3 \times 10 \times 1 + 2P_A$$
$$= 10^3(2V_A)^2 + 0 + 2P_B$$
$$= 2 \times 10^4 + 2(P_A - P_B) = 3 \times 10^3 V_A^2$$
$$V_A = 2 \text{ m/s}$$

26. **Statement-1** : The electric dipole moment of a non-polar molecule is zero.
Statement-2 : In non polar molecule, the centre of charge of both the atoms lie on the same point.
(1) Statement-1 is True, Statement-2 is True (2) Statement-1 is False, Statement-2 is True
(3) Statement-1 is True, Statement-2 is False (4) Statement-1 is False, Statement-2 is False.

Ans. (3)

Resonance Eduventures Ltd.

Reg. Office & Corp. Office : CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Raj.) - 324005
Ph. No.: +91-744-2777777, 2777700 | FAX No. : +91-022-39167222

To Know more : sms RESO at 56677 | Website : www.resonance.ac.in | E-mail : contact@resonance.ac.in | CIN : U80302RJ2007PLC024029
Toll Free : 1800 258 5555 | 7340010333 | facebook.com/ResonanceEdu | twitter.com/ResonanceEdu | www.youtube.com/reswatch | blog.resonance.ac.in

This solution was download from Resonance JEE (MAIN) 2022 Solution portal | PAGE # 9

JEE (Advanced) 2021

Numbers that Inspire Students to EXCEL

Trust of 9,50,000+ STUDENTS*	Total Selections 1,78,546 JEE (Adv.) - Eligibility for JEE (Adv.)** - NEET (UG)	AIRs in TOP-100 350 JEE (Adv.) - JEE (Main) - NEET (UG)	Pool of 800+ FACULTY	Study Centres in 70+ CITIES
---	---	--	-----------------------------------	--

* Since 2001 | **Students Qualified from JEE (Main) to JEE (Advanced) since 2013
Total Selections & AIR in TOP-100 in JEE (Adv.) / IIT-JEE (since 2002), JEE (Main)/ AIEEE (since 2005), NEET (UG) / APMT (since 2012) | AIR: All India Rank

For Class XII Passed Students

TARGET JEE (Main+Advanced) 2023 COURSE VISHESH (JD) CLASS STARTS 27th June & 4th July	TARGET JEE (Main) 2023 COURSE ABHYAAS (ED) CLASS STARTS 27th June & 4th July
---	--

Scholarship upto 90%*
on the basis of JEE (Main) Percentile Score

अपनी **स्कोलरशिप** जानने के लिए **अपनी जेईई (मैन) परसेंटाइल वाट्सअप करें: 73400-10345**

Resonance Eduventures Ltd.
Kota Study Centre & Registered Corporate Office: CG Tower, A-46 & 52, IPIA, Near City Mall, Jhalawar Road, Kota (Raj.) - 324005
Tel. No.: 0744-2777777, 2777700 | CIN: U80302RJ2007PLC024029 | www.resonance.ac.in | contact@resonance.ac.in

*T & C Apply