

AME CET Physics

Sample Paper – 7

Duration: 20 Minutes

Maximum Marks: 80

Instructions

- This paper contains **20** Multiple Choice Questions (Single Correct Answer), modelled on the Physics section of **AME CET** entrance.
- Each correct answer carries **+4 marks**. Each wrong answer carries **–1 mark**. Unattempted questions carry **0 marks**.
- Only **one** option is correct per question. Choose carefully.
- Syllabus level: **Class 11 and 12 NCERT Physics** (Units & Measurement to Communication Systems).
- Use of mobile phones, calculators, or any electronic gadget is strictly prohibited.

Q1. A 9V battery (no internal resistance) is connected to three resistors $1\ \Omega$, $2\ \Omega$, and $3\ \Omega$ in series. What is the voltage across the $3\ \Omega$ resistor?

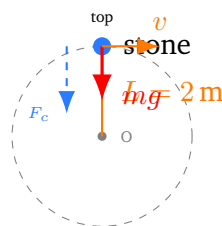
- (A) 1.5V
- (B) 3.0V
- (C) 6.0V
- (D) 4.5V

Q2. Two cells of EMF 6V and 4V (connected in series aiding), each with internal resistance $r = 1\ \Omega$, are connected to an external resistance $R_{\text{ext}} = 8\ \Omega$. What is the current I in the circuit?

- (A) 1 A
- (B) 0.5 A
- (C) 2 A
- (D) 5 A



- Q3.** A stone tied to a string of length $L = 2\text{ m}$ is whirled in a vertical circle (see diagram). Taking $g = 10\text{ m/s}^2$, what is the minimum speed of the stone at the *top* of the circle to maintain a taut string?

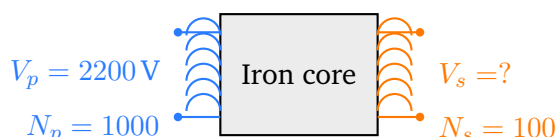


- (A) 2 m/s
(B) 4 m/s
(C) $2\sqrt{5}\text{ m/s}$
(D) 10 m/s
- Q4.** A body starts from rest and accelerates uniformly at $a = 4\text{ m/s}^2$. What is the distance covered *during* the 5th second of motion?
- (A) 10 m
(B) 18 m
(C) 20 m
(D) 25 m
- Q5.** A beam of white light passes through a glass prism. Which colour is deviated the *most* from its original direction?
- (A) Violet
(B) Red
(C) Yellow
(D) Green
- Q6.** An object is placed 10 cm in front of a plane mirror. Which of the following correctly describes the image formed?
- (A) Real, inverted, 10 cm behind the mirror



- (B) Virtual, erect, 10 cm behind the mirror
- (C) Virtual, inverted, 10 cm in front of the mirror
- (D) Real, erect, 20 cm behind the mirror

Q7. A step-down transformer has $N_p = 1000$ turns in the primary and $N_s = 100$ turns in the secondary. If the primary voltage is $V_p = 2200\text{ V}$, what is the secondary voltage V_s ?



- (A) 2200 V
 - (B) 110 V
 - (C) 220 V
 - (D) 22 V
- Q8.** An inductor of inductance $L = 0.1\text{ H}$ is connected to an AC supply of frequency $f = 50\text{ Hz}$. Taking $\pi \approx 3.14$, what is the inductive reactance X_L ?
- (A) $0.1\ \Omega$
 - (B) $50\ \Omega$
 - (C) $5\pi\ \Omega$
 - (D) $10\pi\ \Omega$
- Q9.** A bomb of mass 10 kg, initially at rest, explodes into two fragments of mass 4 kg and 6 kg. If the 4 kg fragment moves at 15 m/s, what is the speed of the 6 kg fragment?
- (A) 15 m/s
 - (B) 10 m/s
 - (C) 6 m/s



(D) 4 m/s

Q10. A pump lifts 2 kg of water per second to a height of 25 m. Taking $g = 10 \text{ m/s}^2$, what is the minimum power required by the pump?

(A) 25 W

(B) 250 W

(C) 500 W

(D) 1000 W

Q11. Two point charges $q_1 = +2 \mu\text{C}$ and $q_2 = -2 \mu\text{C}$ are separated by $r = 0.4 \text{ m}$. Taking $k = 9 \times 10^9 \text{ N}\cdot\text{m}^2/\text{C}^2$, what is the electrostatic potential energy U of the system?

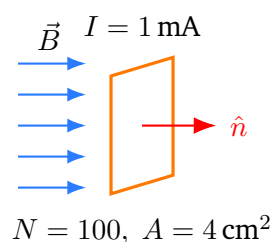
(A) -0.09 J

(B) $+0.09 \text{ J}$

(C) -0.9 J

(D) $+0.9 \text{ J}$

Q12. A rectangular coil ($N = 100$ turns, area $A = 4 \text{ cm}^2$) carrying a current $I = 1 \text{ mA}$ is placed in a uniform magnetic field $B = 0.2 \text{ T}$. What is the maximum torque τ on the coil?



(A) $8 \times 10^{-3} \text{ N}\cdot\text{m}$

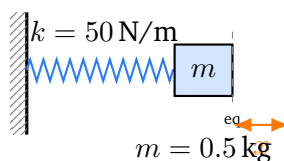
(B) $4 \times 10^{-6} \text{ N}\cdot\text{m}$

(C) $2 \times 10^{-5} \text{ N}\cdot\text{m}$

(D) $8 \times 10^{-6} \text{ N}\cdot\text{m}$



- Q13.** The threshold wavelength for photoelectric emission from a metal surface is $\lambda_0 = 600 \text{ nm}$. Given $h = 6.6 \times 10^{-34} \text{ J}\cdot\text{s}$, $c = 3 \times 10^8 \text{ m/s}$, and $e = 1.6 \times 10^{-19} \text{ C}$, what is the work function ϕ in eV?
- (A) 1.0 eV
(B) 2.0 eV
(C) 3.3 eV
(D) 6.6 eV
- Q14.** In the Bohr model of hydrogen, the radius of the first orbit ($n = 1$) is $r_1 = 0.53 \text{ \AA}$. What is the radius of the orbit for $n = 3$?
- (A) 1.59 \AA
(B) 3.18 \AA
(C) 4.77 \AA
(D) 1.77 \AA
- Q15.** Three moles of an ideal gas are heated at *constant volume* and absorb $Q = 600 \text{ J}$ of heat. What is the increase in internal energy ΔU ?
- (A) 200 J
(B) 0 J
(C) 1800 J
(D) 600 J
- Q16.** A block of mass $m = 0.5 \text{ kg}$ is attached to a spring of spring constant $k = 50 \text{ N/m}$. Using $\pi^2 \approx 10$, what is the time period T of oscillation?



- (A) $0.2\pi \text{ s}$



- (B) π s
- (C) 0.1π s
- (D) 2π s

Q17. A solid cylinder of mass $M = 4$ kg and radius $R = 0.2$ m rotates about its own axis with angular velocity $\omega = 10$ rad/s. The moment of inertia of a solid cylinder is $I = \frac{1}{2}MR^2$. What is the rotational kinetic energy?

- (A) 2 J
- (B) 8 J
- (C) 4 J
- (D) 20 J

Q18. When a p-n junction diode is *reverse biased*, which of the following best describes the current through it?

- (A) Very small reverse (leakage) current flows
- (B) Large forward current flows
- (C) The junction breaks down immediately
- (D) Zero current flows under any condition

Q19. Water flows steadily through a horizontal pipe that has a constricted (narrower) section. According to Bernoulli's principle, what happens to the pressure in the narrow section compared to the wider section?

- (A) Pressure increases
- (B) Pressure stays the same
- (C) Pressure doubles
- (D) Pressure decreases

Q20. The gravitational acceleration at Earth's surface is $g_0 = 10$ N/kg. What is the gravitational acceleration at a distance $r = 4R$ from Earth's *centre* (where R is Earth's radius)?



- (A) $\frac{5}{4}$ N/kg
- (B) $\frac{5}{8}$ N/kg
- (C) 2.5 N/kg
- (D) $\frac{10}{9}$ N/kg



Detailed Solutions

Q1.

Solution

Concept — Series Circuit Voltage Division: In a series circuit the same current flows through all resistors. Voltage across each resistor is $V = IR$.

Step 1 — Total resistance:

$$R_{\text{total}} = 1 + 2 + 3 = 6 \Omega$$

Step 2 — Current in circuit:

$$I = \frac{\varepsilon}{R_{\text{total}}} = \frac{9}{6} = 1.5 \text{ A}$$

Step 3 — Voltage across 3Ω :

$$V_3 = I \times R_3 = 1.5 \times 3 = 4.5 \text{ V}$$

Why other options are wrong:

- Option A (1.5 V): voltage across the 1Ω resistor, not 3Ω .
- Option B (3.0 V): voltage across the 2Ω resistor.
- Option C (6.0 V): would require $I = 2 \text{ A}$ which needs $R_{\text{total}} = 4.5 \Omega$, not 6Ω .

Final Answer: $V_3 = 4.5 \text{ V} \Rightarrow$ D

Answer: (D) [Go Back to Q1](#)

Q2.

Solution

Concept — Cells in Series (Aiding): Total EMF equals sum of individual EMFs; total internal resistance equals sum of individual internal resistances.

Step 1 — Total EMF:

$$\varepsilon_{\text{total}} = 6 + 4 = 10 \text{ V}$$

Step 2 — Total resistance:

$$R_{\text{total}} = r_1 + r_2 + R_{\text{ext}} = 1 + 1 + 8 = 10 \Omega$$



Step 3 — Current:

$$I = \frac{10}{10} = 1 \text{ A}$$

Why other options are wrong:

- Option B (0.5 A): ignores internal resistances.
- Option C (2 A): uses only R_{ext} in denominator.
- Option D (5 A): divides EMF by internal resistance alone.

Final Answer: $I = 1 \text{ A} \Rightarrow$

Answer: (A) [Go Back to Q2](#)

Q3.

Solution

Concept — Minimum Speed at Top of Vertical Circle: At minimum condition, tension $T = 0$ and gravity alone provides centripetal force: $mg = mv^2/L$.

Step 1 — Set tension to zero:

$$mg = \frac{mv_{\text{min}}^2}{L} \implies v_{\text{min}} = \sqrt{gL}$$

Step 2 — Substitute $g = 10$, $L = 2$:

$$v_{\text{min}} = \sqrt{10 \times 2} = \sqrt{20}$$

Step 3 — Simplify:

$$\sqrt{20} = \sqrt{4 \times 5} = 2\sqrt{5} \approx 4.47 \text{ m/s}$$

Why other options are wrong:

- Option A (2 m/s): uses $v = \sqrt{gL/5}$ — wrong formula.
- Option B (4 m/s): uses an incorrect factor.
- Option D (10 m/s): uses $v = gL$ (dimensionally wrong).

Final Answer: $v_{\text{min}} = 2\sqrt{5} \text{ m/s} \Rightarrow$

Answer: (C) [Go Back to Q3](#)



Q4.

Solution

Concept — Distance in n th Second: $s_n = u + a(n - \frac{1}{2})$, where $u = 0$ for start from rest.

Step 1 — Substitute $u = 0$, $a = 4$, $n = 5$:

$$s_5 = 0 + 4\left(5 - \frac{1}{2}\right) = 4 \times \frac{9}{2}$$

Step 2 — Evaluate:

$$s_5 = 4 \times 4.5 = 18 \text{ m}$$

Why other options are wrong:

- Option A (10 m): uses $s_n = an$ — total distance formula, not n th-second formula.
- Option C (20 m): uses $s_n = an$ with $n = 5$.
- Option D (25 m): computes total distance $\frac{1}{2}at^2$ with $t = 5$ but misapplies it.

Final Answer: $s_5 = 18 \text{ m} \Rightarrow$ B

Answer: (B) [Go Back to Q4](#)

Q5.

Solution

Concept — Prism Dispersion: Higher refractive index \Rightarrow greater deviation. Refractive index increases with decreasing wavelength (normal dispersion): $n_{\text{violet}} > n_{\text{red}}$.

Step 1 — Recall the VIBGYOR order of refractive indices:

$$n_{\text{violet}} > n_{\text{indigo}} > \dots > n_{\text{red}}$$

Step 2 — Higher $n \Rightarrow$ more bending \Rightarrow violet deviated most.

Why other options are wrong:

- Option B (Red): has smallest n — deviated the *least*.
- Option C (Yellow): intermediate deviation.
- Option D (Green): intermediate deviation.



Final Answer: Violet deviated most \Rightarrow **A**

Answer: (A) [Go Back to Q5](#)

Q6.

Solution

Concept — Plane Mirror Image: A plane mirror always forms a virtual, erect image at the same distance behind the mirror as the object is in front.

Step 1: Object is 10 cm in front \Rightarrow image is 10 cm behind.

Step 2: Image is virtual (cannot be projected on screen) and erect (same orientation).

Why other options are wrong:

- Option A (Real, inverted): plane mirrors never form real images.
- Option C (Virtual, inverted): plane mirror images are erect, not inverted.
- Option D (Real, 20 cm): image distance equals object distance; image is always virtual.

Final Answer: Virtual, erect, 10 cm behind mirror \Rightarrow **B**

Answer: (B) [Go Back to Q6](#)

Q7.

Solution

Concept — Transformer Voltage Ratio: For an ideal transformer, $V_s/V_p = N_s/N_p$.

Step 1 — Rearrange:

$$V_s = V_p \times \frac{N_s}{N_p}$$

Step 2 — Substitute values:

$$V_s = 2200 \times \frac{100}{1000} = 2200 \times \frac{1}{10}$$

Step 3 — Evaluate:

$$V_s = \frac{2200}{10} = 220 \text{ V}$$

Why other options are wrong:



- Option A (2200 V): uses 1:1 turns ratio.
- Option B (110 V): uses ratio 1/20 instead of 1/10.
- Option D (22 V): uses ratio 1/100.

Final Answer: $V_s = 220\text{ V} \Rightarrow$

Answer: (C) [Go Back to Q7](#)

Q8.

Solution

Concept — Inductive Reactance: $X_L = 2\pi fL$.

Step 1 — Substitute $f = 50\text{ Hz}$, $L = 0.1\text{ H}$:

$$X_L = 2\pi \times 50 \times 0.1$$

Step 2 — Simplify:

$$X_L = 100\pi \times 0.1 = 10\pi \approx 31.4\ \Omega$$

Why other options are wrong:

- Option A ($0.1\ \Omega$): uses $X_L = L/f$ — wrong formula.
- Option B ($50\ \Omega$): omits the $2\pi L$ factor.
- Option C ($5\pi\ \Omega$): uses $f = 25\text{ Hz}$.

Final Answer: $X_L = 10\pi\ \Omega \Rightarrow$

Answer: (D) [Go Back to Q8](#)

Q9.

Solution

Concept — Conservation of Momentum (Explosion): Initial total momentum = 0, so $m_1v_1 = m_2v_2$.

Step 1 — Apply conservation of momentum:

$$m_1v_1 = m_2v_2$$



Step 2 — Solve for v_2 :

$$v_2 = \frac{m_1 v_1}{m_2} = \frac{4 \times 15}{6} = \frac{60}{6} = 10 \text{ m/s}$$

Why other options are wrong:

- Option A (15 m/s): ignores mass difference.
- Option C (6 m/s): swaps m_1 and m_2 .
- Option D (4 m/s): uses wrong concept.

Final Answer: $v_2 = 10 \text{ m/s} \Rightarrow$

Answer: (B) [Go Back to Q9](#)

Q10.

Solution

Concept — Pump Power: $P = \dot{m} \times g \times h$ (rate of doing work against gravity).

Step 1 — Substitute $\dot{m} = 2 \text{ kg/s}$, $g = 10$, $h = 25 \text{ m}$:

$$P = 2 \times 10 \times 25$$

Step 2 — Evaluate:

$$P = 20 \times 25 = 500 \text{ W}$$

Why other options are wrong:

- Option A (25 W): uses $\dot{m} = 0.1 \text{ kg/s}$.
- Option B (250 W): uses $\dot{m} = 1 \text{ kg/s}$.
- Option D (1000 W): doubles the correct answer.

Final Answer: $P = 500 \text{ W} \Rightarrow$

Answer: (C) [Go Back to Q10](#)



Q11.

Solution**Concept — Electrostatic Potential Energy:** $U = kq_1q_2/r$.**Step 1 — Product of charges:**

$$q_1q_2 = (+2 \times 10^{-6})(-2 \times 10^{-6}) = -4 \times 10^{-12} \text{ C}^2$$

Step 2 — Numerator kq_1q_2 :

$$9 \times 10^9 \times (-4 \times 10^{-12}) = -36 \times 10^{-3} = -0.036$$

Step 3 — Divide by $r = 0.4 \text{ m}$:

$$U = \frac{-0.036}{0.4} = -0.09 \text{ J}$$

Why other options are wrong:

- Option B (+0.09 J): treats both charges as positive.
- Option C (-0.9 J): uses $r = 0.04 \text{ m}$.
- Option D (+0.9 J): wrong sign and wrong r .

Final Answer: $U = -0.09 \text{ J} \Rightarrow \boxed{\text{A}}$ **Answer: (A)** [Go Back to Q11](#)

Q12.

Solution**Concept — Torque on a Current-Carrying Coil:** Maximum torque $\tau = NBIA$.**Step 1 — Convert units:** $A = 4 \text{ cm}^2 = 4 \times 10^{-4} \text{ m}^2$; $I = 1 \text{ mA} = 10^{-3} \text{ A}$.**Step 2 — Substitute:**

$$\tau = 100 \times 0.2 \times 10^{-3} \times 4 \times 10^{-4}$$

Step 3 — Evaluate step by step:

$$100 \times 0.2 = 20; \quad 20 \times 10^{-3} = 2 \times 10^{-2}; \quad 2 \times 10^{-2} \times 4 \times 10^{-4} = 8 \times 10^{-6}$$



Why other options are wrong:

- Option A ($8 \times 10^{-3} \text{ N}\cdot\text{m}$): forgets $I = 10^{-3}$.
- Option B ($4 \times 10^{-6} \text{ N}\cdot\text{m}$): uses $N = 50$.
- Option C ($2 \times 10^{-5} \text{ N}\cdot\text{m}$): doubles area erroneously.

Final Answer: $\tau = 8 \times 10^{-6} \text{ N}\cdot\text{m} \Rightarrow \boxed{\text{D}}$

Answer: (D) [Go Back to Q12](#)

Q13.

Solution

Concept — Work Function from Threshold Wavelength: $\phi = hc/\lambda_0$.

Step 1 — Compute hc :

$$hc = 6.6 \times 10^{-34} \times 3 \times 10^8 = 19.8 \times 10^{-26} \text{ J}\cdot\text{m}$$

Step 2 — Divide by $\lambda_0 = 600 \times 10^{-9} \text{ m}$:

$$\phi = \frac{19.8 \times 10^{-26}}{6 \times 10^{-7}} = 3.3 \times 10^{-19} \text{ J}$$

Step 3 — Convert to eV:

$$\phi = \frac{3.3 \times 10^{-19}}{1.6 \times 10^{-19}} \approx 2.0 \text{ eV}$$

Why other options are wrong:

- Option A (1.0 eV): uses $\lambda_0 = 1200 \text{ nm}$.
- Option C (3.3 eV): forgets to divide by e (gives result in 10^{-19} J directly).
- Option D (6.6 eV): uses h directly without full formula.

Final Answer: $\phi = 2.0 \text{ eV} \Rightarrow \boxed{\text{B}}$

Answer: (B) [Go Back to Q13](#)



Q14.

Solution**Concept — Bohr Radius Scaling:** $r_n = n^2 r_1$.**Step 1 — For $n = 3$:**

$$r_3 = (3)^2 \times r_1 = 9 \times 0.53$$

Step 2 — Evaluate:

$$r_3 = 9 \times 0.53 = 4.77 \text{ \AA}$$

Why other options are wrong:

- Option A (1.59 \AA): uses $r_n = n \times r_1$ (linear, not quadratic).
- Option B (3.18 \AA): uses $n = 2.45$ or doubles incorrectly.
- Option D (1.77 \AA): uses wrong formula.

Final Answer: $r_3 = 4.77 \text{ \AA} \Rightarrow$ C Answer: (C) [Go Back to Q14](#)

Q15.

Solution**Concept — Isochoric Process (First Law):** At constant volume, $W = P\Delta V = 0$, so $\Delta U = Q - W = Q$.**Step 1 — Work done at constant volume:**

$$W = P \times \Delta V = P \times 0 = 0$$

Step 2 — Apply First Law:

$$\Delta U = Q - W = 600 - 0 = 600 \text{ J}$$

Why other options are wrong:

- Option A (200 J): divides Q by number of moles.
- Option B (0 J): confuses isochoric with isothermal.
- Option C (1800 J): multiplies Q by number of moles.

Final Answer: $\Delta U = 600 \text{ J} \Rightarrow$ D Answer: (D) [Go Back to Q15](#)

Q16.

Solution**Concept — Spring-Mass Period:** $T = 2\pi\sqrt{m/k}$.**Step 1 — Compute m/k :**

$$\frac{m}{k} = \frac{0.5}{50} = \frac{1}{100}$$

Step 2 — Take square root:

$$\sqrt{\frac{m}{k}} = \sqrt{\frac{1}{100}} = \frac{1}{10}$$

Step 3 — Multiply by 2π :

$$T = 2\pi \times \frac{1}{10} = \frac{2\pi}{10} = 0.2\pi \text{ s}$$

Verification ($\pi^2 \approx 10$): $T^2 = 4 \times 10 \times \frac{1}{100} = 0.4 \Rightarrow T \approx 0.632 \text{ s}; 0.2\pi \approx 0.628 \text{ s} \checkmark$ **Why other options are wrong:**

- Option B ($\pi \text{ s}$): uses wrong $m/k = 0.25$.
- Option C ($0.1\pi \text{ s}$): forgets the factor 2 in 2π .
- Option D ($2\pi \text{ s}$): uses $m/k = 1$.

Final Answer: $T = 0.2\pi \text{ s} \Rightarrow \boxed{\text{A}}$ **Answer: (A)** [Go Back to Q16](#)

Q17.

Solution**Concept — Rotational KE of Solid Cylinder:** $KE_{\text{rot}} = \frac{1}{2}I\omega^2$, with $I = \frac{1}{2}MR^2$.**Step 1 — Compute moment of inertia:**

$$I = \frac{1}{2} \times 4 \times (0.2)^2 = \frac{1}{2} \times 4 \times 0.04 = 0.08 \text{ kg} \cdot \text{m}^2$$

Step 2 — Compute rotational KE:

$$KE_{\text{rot}} = \frac{1}{2} \times 0.08 \times (10)^2 = \frac{1}{2} \times 0.08 \times 100 = \frac{8}{2} = 4 \text{ J}$$



Why other options are wrong:

- Option A (2 J): uses $I = MR^2$ (hollow cylinder formula).
- Option B (8 J): omits the $\frac{1}{2}$ in $KE = \frac{1}{2}I\omega^2$.
- Option D (20 J): confuses mass with moment of inertia.

Final Answer: $KE_{\text{rot}} = 4\text{ J} \Rightarrow \boxed{\text{C}}$

Answer: (C) [Go Back to Q17](#)

Q18.

Solution

Concept — Reverse Biased p-n Junction: Depletion region widens; majority carriers cannot flow. Thermally generated minority carriers produce a very small leakage current.

Step 1: Majority carriers pulled away from junction \Rightarrow no significant majority-carrier current.

Step 2: Minority carriers drift across junction under reverse field \Rightarrow small reverse saturation (leakage) current (microamperes to nanoamperes).

Why other options are wrong:

- Option B (large forward current): occurs only in forward bias.
- Option C (breakdown immediately): breakdown needs a specific high reverse voltage (Zener/avalanche).
- Option D (zero current): always some minority carrier current; not exactly zero.

Final Answer: Very small reverse leakage current $\Rightarrow \boxed{\text{A}}$

Answer: (A) [Go Back to Q18](#)



Q19.

Solution

Concept — Bernoulli's Principle: $P + \frac{1}{2}\rho v^2 = \text{const.}$ Narrower cross-section \Rightarrow higher speed (continuity) \Rightarrow lower pressure.

Step 1 — Continuity equation: $A_2 < A_1 \Rightarrow v_2 > v_1.$

Step 2 — Bernoulli's equation: If v increases, $\frac{1}{2}\rho v^2$ increases $\Rightarrow P$ must decrease to keep sum constant.

$$P_2 < P_1 \quad (\text{Venturi effect})$$

Why other options are wrong:

- Option A (increases): contradicts Bernoulli's principle.
- Option B (stays same): applies only to static fluids.
- Option C (doubles): not a valid consequence here.

Final Answer: Pressure decreases in narrow section \Rightarrow **D**

Answer: (D) [Go Back to Q19](#)

Q20.

Solution

Concept — Gravitational Acceleration at Distance r : $g(r) = g_0(R/r)^2.$

Step 1 — Substitute $r = 4R$:

$$g = g_0 \left(\frac{R}{4R} \right)^2 = g_0 \times \frac{1}{16}$$

Step 2 — Evaluate:

$$g = \frac{10}{16} = \frac{5}{8} \text{ N/kg}$$

Why other options are wrong:

- Option A (5/4 N/kg): uses $r = 2R.$
- Option C (2.5 N/kg): uses $r = 2R$ giving 10/4.
- Option D (10/9 N/kg): uses $r = 3R.$

Final Answer: $g = 5/8 \text{ N/kg} \Rightarrow$ **B**

Answer: (B) [Go Back to Q20](#)



Answer Key

Q	Ans	Q	Ans	Q	Ans	Q	Ans	Q	Ans
1	D	2	A	3	C	4	B	5	A
6	B	7	C	8	D	9	B	10	C
11	A	12	D	13	B	14	C	15	D
16	A	17	C	18	A	19	D	20	B

