

CUET 2026 May 25 Shift 2 Physics

Question Paper (Memory-Based)

Conducted by National Testing Agency (NTA)



1. Two nuclei have mass numbers 64 and 27. The ratio of their nuclear densities is:

- (A) 4 : 3
 - (B) 3 : 4
 - (C) 1 : 1
 - (D) 16 : 9
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2. Ratio of radii of the 3rd orbit of H-atom and He^+ ion will be:

- (A) 9 : 4
 - (B) 4 : 9
 - (C) 1 : 2
 - (D) 2 : 1
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3. Value of critical angle is maximum for light travelling from:

- (A) Glass to water
 - (B) Air to glass
 - (C) Glass to air
 - (D) Air to water
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4. Wavefront for a point source, near it, is:

- (A) Plane
 - (B) Spherical
 - (C) Cylindrical
 - (D) None of the above
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5. To convert a galvanometer into an ammeter, we use:

- (A) High resistance in series
- (B) Low resistance in series

- (C) High resistance in parallel
 - (D) Shunt wire in parallel
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6. Angular width of central maxima increases when:

- (A) λ increases
 - (B) λ decreases
 - (C) e increases
 - (D) e decreases
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7. A bar magnet of magnetic moment M is cut into two parts symmetrically, perpendicular to its length. Then magnetic moment of each part is:

- (A) M
 - (B) $\frac{M}{2}$
 - (C) $2M$
 - (D) $\frac{M}{4}$
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8. In an EM wave, if \vec{B} is along z-axis, then direction of \vec{E} and propagation will be:

- (A) In xy -plane
 - (B) In yz -plane
 - (C) In y -direction
 - (D) In z -direction
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9. A dielectric is inserted between the plates of a capacitor connected to a battery. What happens?

- (A) Charge decreases
 - (B) Electric field increases
 - (C) Electric field decreases
 - (D) Charge increases
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10. Two coherent sources of intensity ratio 9 : 1 produce interference fringes. The ratio of maximum intensity to minimum intensity will be:

- (A) 9 : 1
 - (B) 3 : 1
 - (C) 4 : 1
 - (D) 16 : 4
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