

PHYSICS**(Intermediate Part-I, Class 11th) 322 - (I)****Paper I (Group - I)****Time: 20 Minutes****OBJECTIVE - - - - - Code : 6471****Marks: 17**

Note: You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question. Attempt as many questions as given in objective type question paper and leave others blank.

1. 1 - The unit of solid angle is _____.
 (A) radian (B) degree (C) steradian (D) revolution
- 2 - Light year is the unit of _____.
 (A) speed (B) intensity (C) time (D) distance
- 3 - What is the angle between $\hat{i} + \hat{j}$ and $\hat{i} - \hat{j}$ vectors?
 (A) 0° (B) 45° (C) 90° (D) 180°
- 4 - _____ is not scalar.
 (A) work (B) power (C) wavelength (D) torque
- 5 - When rocket moves upward its acceleration _____.
 (A) increases (B) decreases (C) becomes zero (D) remains constant
- 6 - Shape of trajectory of projectile is _____.
 (A) parabola (B) hyperbola (C) circle (D) straight line
- 7 - The rocks containing hot water are called _____.
 (A) geyser (B) aquifer (C) magma (D) tor
- 8 - The angular displacement for daily rotation of the earth is _____.
 (A) 0 rad (B) π rad (C) 2π rad (D) 4π rad
- 9 - A body of 1 kg moving up with $a = g$ then its apparent weight is _____.
 (A) 19.6 N (B) 9.8 N (C) 0 N (D) 10 N
- 10 - Pressure is high where speed is _____.
 (A) high (B) low (C) constant (D) zero
- 11 - Frequency of second's pendulum is _____.
 (A) 0.5 Hz (B) 5.0 Hz (C) 0.2 Hz (D) 2.0 Hz
- 12 - Distance between two consecutive nodes is _____.
 (A) 2λ (B) $\frac{\lambda}{2}$ (C) 4λ (D) $\frac{\lambda}{4}$
- 13 - Speed of sound is independent of _____.
 (A) density (B) temperature (C) elasticity (D) pressure
- 14 - _____ proves that light waves are transverse.
 (A) reflection (B) polarization (C) diffraction (D) interference
- 15 - Single mode step index fibre can transmit T.V channels more than _____.
 (A) 3 (B) 5 (C) 7 (D) 14
- 16 - If the temperature of sink decreases then efficiency of engine _____.
 (A) increases (B) decreases (C) remains same (D) becomes zero
- 17 - One Pascal is the unit of _____.
 (A) volume (B) pressure (C) force (D) power