

Physics Fsc Part 1 Full Book Online Test

Sr	Questions	Answers Choice
1	What type of waves do headphones use to produce sound	A. Electromagnetic waves B. Mechanical waves C. Pressure waves D. Longitudinal waves
2	A body of mass 0.2 kg initially moving with velocity 10 m/s comes to rest in 1 m. how much retarding force acts on it.	A. 10 N B. 20 N C. 40 N D. 200 N
3	Specific resistance of a conductor depends upon is.	A. Material B. Length C. Area E. All
4	A force of 10 N is required to overcome road friction and air resistance in propelling an automobile at 30 m/sec. power developed by the engine.	A. 600 W B. 400 W C. 300 W D. 500 W
5	The most reactive metals of the periodic table are.	A. Alkali metals B. Alkaline metals C. Rare earth metals D. Coinage metals
6	Artificial gravity is provided to the satellite by	A. Velocity B. Weight C. Acceleration D. Rotating around a vertical axis
7	Adiabatic change occurs when the gas expands or compressed.	A. Rapidly B. Slowly C. Gradually D. Moderately
8	Identify which pair from the following does not have identical dimension.	A. Work and torque B. Moment of inertia and moment of force C. Angular momentum and Planck's constant D. Impulse and momentum
9	A man inside the artificial satellite feels weightlessness because the force of attraction due to the earth is.	A. Zero at pole B. Balanced by the force of attraction due to the moon C. Equal to the centripetal force D. Non effective due to some particular design of the satellite
10	A body thrown upward making certain angle with the horizontal and moving freely under the action of gravity is called.	A. Rocket B. Satellite C. Projectile D. Space ship
11	The diameter of a steel ball is measured using a Vernier callipers and its reading is shown in the figure. what is the diameter of the steel ball.	A. 1.30 cm B. 1.39 cm C. 1.40 cm D. 1.31 cm
12	If an observer is moving in the same direction as a sound wave, the velocity of the wave seems to be	A. Less B. More C. Constant D. Sum of the two velocities
13	The sum of currents in various resistors meeting at a point of the circuit.	A. Equals to the total current B. Exceed the total current C. Less than total current D. None of above
14	The mud flies off the tyre of a moving bicycle which is along.	A. Tangent B. Normal

		C. $\perp$ to the centre D. Perpendicular
15	Neutral zone in electric field of two similar charge is region where.	A. Both positive and negative charges are present B. Equal quantity of both positive and negative charges are present C. An electric dipole exists D. No electric field line passes
16	SI Unit of angular momentum is.	A. Js B. Kgmsec^3 C. $\text{kgm}^2\text{s}^{-1}$ D. kgms^{-2}
17	The dimension of power	A. $[\text{ML}^2 \text{T}^{-3}]$ B. $[\text{ML}^{-1} \text{T}^{-1}]$ C. $[\text{ML}^2 \text{T}^2]$ D. $[\text{ML}^{-2} \text{T}^{-4}]$
18	In drag force increase as the speed of object	A. Increase B. Decrease C. Has no effect D. Moderate
19	Magnetic field is detected by	A. Ammeter B. Galvanometer C. Magnetic compass D. Avometer
20	The least count of an instrument determines	A. Precision of a measurement B. Accuracy of a measurement C. Factual uncertainty of a measurement D. Percentage uncertainty of a measurement