

Physics Fsc Part 1 Full Book Online Test

Sr	Questions	Answers Choice
1	If a material object moves with the speed of light 'c' its mass becomes	A. $\text{Equal to its rest mass}$ B. Infinite C. $\text{Four times of its rest mass}$ D. $\text{Double of its rest mass}$
2	Escape velocity depends upon.	A. Mass of the body B. $\text{Radius of the body}$ C. $\text{Radius of the planet}$ D. $\text{Radius of the Earth}$
3	SI Unit of force	A. Newton B. Dyne C. Joule D. Watt
4	The projectile gains its maximum gh at an angle of. θ	A. 0° B. 45° C. 60° D. 90°
5	Lenz's law is consistent with	A. $\text{Law of conservation of energy}$ B. $\text{Law of conservation of charge}$ C. $\text{Law of conservation of momentum}$ D. $\text{Law of conservation of mass}$
6	A dry battery can deliver 3000 J of energy to a 2 W small electric motor before the battery is exhausted. For how many minutes does the battery run.?	A. 1500 min B. 100 min C. 25 min D. 50 min
7	The dimensions of weight are.	A. $[MLT^{-2}]$ B. $[LT^{-1}]$ C. $[LT^{-2}]$ D. $[ML^2T]$
8	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
9	If the rest mass of a particle m_0 increased to m due to its high speed then its kinetic energy is.	A. $(m - m_0) c^2$ B. $\frac{1}{2} m v^2$ C. $\frac{1}{2} m c^2$ D. $\frac{1}{2} (m - m_0) c^2$
10	Ratio of dimension of power and K.E. is.	A. $1 : 1$ B. $T : 1$ C. $1 : T$ D. $M : T$
11	The particles of medium in longitudinal wave vibrate direction of propagation	A. Parallel B. Perpendicular C. Upward D. None of these
12	The pressure will be how when speed of fluid is.	A. High B. Zero C. Low D. Constant
13	Law of conservation of energy is on the basis of.	A. $\text{Bernoulli's theorem}$ B. Venture relation C. Stoke's law D. $\text{Equation of continuity}$
14	One of the following quantities that is not affected by the magnetic field is	A. Moving charge B. $\text{Change in magnetic flux}$ C. $\text{Current flowing in conductor}$ D. $\text{Force on a moving charge}$

		D. ∞ Stationary charge
15	The product of cross sectional area of the pipe and the fluid speed at any point is.	A. Negative B. Zero C. Constant D. Variable
16	'R' is called	A. Universal constant B. Universal per molecule constant C. Universal gas constant D. All of the above
17	An iron sphere whose mass is 30 kg has the same diameter as an aluminium sphere whose mass is 10.5 kg. The spheres are simultaneously dropped from a cliff. When they are 10 m from the ground, they have identical.	A. Accelerations B. Momentums C. Potential energies D. Kinetic energies
18	The region of stress-strain curve which obeys Hooke's law is.	A. Proportional Limit P B. Elastic region E C. Elastic region P D. Yield limit Y
19	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
20	The effect of increasing the angle between the light wave and the analyzer on the intensity of light is.	A. The intensity increases B. The intensity decreases C. The intensity remains the same D. The intensity becomes zero