

Physics Fsc Part 1 Full Book Online Test

Sr	Questions	Answers Choice
1	The region of stress-strain curve which obeys Hook's law is.	A. $\propto$ Proportional Limit B. Elastic region C. Plastic region D. Yield limit
2	The waves produced due to oscillation of electric and magnetic fields are.	A. E.M. Waves B. Mechanical waves C. Sound waves D. Light waves
3	A one meter long string establishes two loops waves length of the wave is.	A. 1 m B. 0.5 m C. 0.25 m D. 2 m
4	A stone at the end of long string is whirled in vertical circle at a constant speed The tension in the string will be minimum when the stone is.	A. At the top of the circle B. Halfway down C. At the bottom of circle D. Any where in the circle
5	The work done by a magnetic field for revolving the charged particle q in a circular path will be.	A. Fd B. Max C. Negative D. Zero
6	A 1000 kg truck is turning round a corner of radius 100 m with speed 72 km/h, centripetal force isN.	A. 2 B. 40 C. 400 D. 4000
7	During the projectile motion the horizontal component of velocity	A. Changes with time B. Becomes zero C. Does not change D. Increase with time
8	At the closed end of an air column there exist	A. Node B. Anti node C. Crest D. Trough
9	Moment of inertia depends upon	A. Mass B. Selection of axis of rotation C. Both a and b D. Speed of the body
10	Power can be defined as the scalar product of.	A. force and displacement B. Force and velocity C. Force and time D. Force and mass
11	Entropy of a system in reversible process	A. Fluctuates B. Increases C. Is infinite D. Decrease
12	In an isothermal change, internal energy.	A. Decrease B. Increase C. Remain same D. Becomes zero
13	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
14	Which of the following is the SI base unit for luminous intensity?	A. Ampere B. Candela C. Mole D. Kelvin

15	The moment of inertia of a body depends upon	A. Mass of the body and its distribution about axis of rotation B. Volume of the body C. Kinetic energy of the body D. Angular momentum of the body
16	A device which converts thermal energy into mechanical energy is called.	A. Turbine B. Heat engine C. Carnot engine D. Refrigerator
17	The purpose of study and discoveries in Physics is.	A. The probing of interstellar space The betterment of mankind B. The betterment of mankind C. The development of destructive technology in warfare D. Development in aesthetics for the world
18	The Doppler Effect used in astronomy is for.	A. Measuring the diameters of stars B. Determining velocity of galaxies C. Analyzing properties of black holes D. Studying behaviour of electromagnetic waves
19	The dimensions of angular momentum are.	A. $[ML^2T^{-1}]$ B. $[MLT^{-2}]$ C. $[MLT]$ D. $[ML^2T^{-2}]$
20	The scalar product of two vectors is maximum if they are.	A. Perpendicular B. Parallel C. At 30° D. At 45°