

Physics Fsc Part 1 Full Book Online Test

Sr	Questions	Answers Choice
1	The number of magnetic lines of force passing through any surface is known as.	A. Magnetism B. Electric flux C. Magnetic flux D. Flux density
2	A stationary wave is established in a string which vibrates in four segments at a frequency of 120 Hz. Its fundamental frequency is.	A. 30 Hz B. 15 Hz C. 60 Hz D. 480 Hz
3	If 30 waves per second pass through a medium at speed of 30 ms ⁻¹ , the wavelength is.	A. 30 m B. 15 m C. 900 m D. 1 m
4	One kilo mean	A. 10 ³ B. 10 ⁻³ C. 10 ² D. 10 ⁴
5	The current produced when the conductor moves across a magnetic field is called	A. Electric potential B. Electrostatic induction C. Electromagnetic induction D. Electric polarization
6	The intensity of light when it passes through a polarizer.	A. Decreases B. Increases C. Remain same D. Become Zero
7	The algebraic sum of potential changes for a complete circuit is zero it is the statement of.	A. Ohm's law B. Gauss's law C. Kirchhoff's second law D. Kirchhoff's first law
8	According to kinetic theory of gases, a finite volume of a gas consists of very	A. Large number of molecules B. Small number of molecules C. Both a and b D. Large number of ions
9	The number of nodes between two consecutive antinodes are.	A. Two B. Three C. One D. Four
10	Which is not an example of a diabatic process.	A. Rapid escape of air from burst tyre B. Rapid expansion of air C. Conversion of water into ice in refrigerator D. Cloud formation in the atmosphere
11	The best instrument used for the accurate measurement of e.m.f. of a cell is.	A. potentiometer B. Wheatstone bridge C. Ammeter D. Voltmeter
12	What can be calculated from the curve under PV graph.	A. Heat B. Work done C. Temperatures D. Internal energy
13	Electron-volt is a unit of.	B. Energy C. Potential D. Capacitance E. Electric intensity

14	The lift force experienced by an aeroplane wings is primarily due to.	A. ρ; Viscosity of air B. ρ; Density of air C. Δp; Pressure difference above and below the wing D. g; Gravitational force
15	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. $\frac{1}{2} (m - m_0) c^2$
16	Production of induced emf in a coil is linked with.	A. Nature of coil B. Shape of coil C. Flux through coil D. Change in flux through coil
17	The unwanted light that interferes with vision is termed as.	A. Haze B. glare C. CONTRAST D. Flare
18	The direction of line of magnetic force can be found by	A. Right hand rule B. Left hand rule C. Hund's rule D. Left and right hand rules
19	A changing magnetic field produces	A. Electric current B. Changing electric field C. Magnetic field D. Conservative field
20	A photon is particle of light. What is its mass when it moves with $0.9c$?	A. $9.1 \times 10^{-31} \text{ kg}$ B. $1.67 \times 10^{-19} \text{ kg}$ C. $1.67 \times 10^{-27} \text{ kg}$ D. Zero