Physics Fsc Part 1 Full Book Online Test

Sr	Questions	Answers Choice
1	Two free parallel straight wires carrying curreint int he same direction	A. Attract each other B. Repel each other C. Do not affect each other D. Get rotated
2	1.6 x 10-19 J is always equal to.	A. 1 farad B. Electron volt C. 1 coulomb D. Coulomb
3	An object moving in a fluid experience a retarding force called	A. Drag force B. Gravitational force C. Horizontal force D. Centripetal force
4	No entropy change is associated with	A. Isothermal process B. Adiabatic process C. Isobaric process D. Isochoric process
5	The fact that emf produced by motion of a coil across a magnetic field was discovered by	A. Michael Faraday B. Henry C. Orested D. Both a and b
6	Two light waves which ar enot coherent cannot be	A. Interference B. Diffracted C. Polarized in the same plane D. Superposed
7	The sum 12 kg +2.02 kg+5.1 kg accoridng to appropriate precision is	A. 19 kg B. 19.0 kg C. 19.1 kg D. 19.12 kg
8	A photon is particle of light. What is its mass when it moves with 0.9 C?	A. 9.1 x 10⁻³¹ kg B. 1.67 x 10⁻¹⁹ kg C. 1.67 x 10⁻²⁷ kg D. Zeri
9	'R' is called	A. Universal constant B. Universal per molecule constant C. Universal gas constant D. All of the above
10	An ideal flow of any fluid must satisfy.	A. Pascal law P B. Bernoulli's principle C. Continuity equation only D. Both a and C
11	Moment off inertia depends upon	A. Mass B. Selection of axis of rotation C. Both a and b D. Speed of the body
12	The SI unit of magnetic induction or flux density is.	A. Tesla B. Gauss C. Ampere D. Weber
13	A force of 10 N is rquirired to overcome road friction and air resistanc in propelling an automobile at 30 m/sec. power develped by the engine.	A. 600 W B. 400 W C. 300 W D. 500 W

14	Law of conservtio of energy is on the basis of.	A. Bernoulli's theorem B. Venture relation C. Stoke's law D. Equation of continuity
15	The value of the induced emf is directly proportional to the rate of change of.	A. Magnetic flux B. Electric flux C. Force D. Work
16	Bending of light around the edges of an obstacle is called.	A. Refraction B. Polarization C. Diffraction D. Interference
17	The effect of decrease of pressure with the increase in speed of a fluid in horizontal pipe is	A. Torricelli's effect T B. Bernoulli's Effect C. Venture's effect D. Doppler's effect
18	Internal energy of a substance, is directly proportional to	A. T B. V C. W D. P
19	1 kilowatt is equal =	A. 1000 J /s B. 106 watt C. 0.1 x 10³ Watt D. 6.25 x 10 ^{25 Watt}
20	A wheel of radius 2 m turns though an angle of 57.3^{o} It lay out a tangential distance.	A. 2m B. 4 m C. 57.3 m D. 114 .6 m