Physics Fsc Part 1 Full Book Online Test

Sr	Questions	Answers Choice
1	Effeciency of a carnot engine is.	A. Infinite B. Ten C. Greater than 1 D. Less Than
2	a body rotating with angular velocity of 2 rad.s-1 and linear velocity is 2 ms-1, then radiuus of circle is.	A. 1 m B. 0.5 m C. 2 m D. 2.5 m
3	Teh moment of inertial of 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
4	A potentiometer can be used as to.	A. Determine E.M.F. of a cell B. Campare e.em.f s. C. measrue accurate value of current D. All of above
5	Which of the following is a primary souce of gravitational waves.	A. Binary blck hole merger B. Soalr flares C. Earth quack D. Solar wind
6	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
7	Law of conservation of mass gives us the equation of	A. Rate of flow B. Continuity C. Terminal velocity D. Drag force
8	The efficiency of carnot engine depends upon	A. Sink temperature B. Source temperature C. Both a and b D. The working substance
9	The phenomenon of polarization of light is	A. The process of scattering of light B. The property of light to vibrate in a specific plane C. The ability of light to travel in a straight line D. The phenomenon of light chaning colour
10	Work done by the system is takn as	A. Positive B. Negative C. Undefined D. None of these
11	Optically acgive crystals are	A. Quartz B. Sodium Chlorate C. Sodium Chlorade D. Botha a and b
12	Waves produced over sgtrings are.	A. Stationary waves B. Mechanical Waves C. Standing waves D. Both a and c
13	The numebr of significant figures in the measrued mass 2500.0 kg is	A. Two B. Three C. Four D. Five
14	The dimension of power	A. [ML2 T-3] B. [ML-1T-1] C. [ML-2T2]

		C. [ML2T2] D. [ML-2T-4]
15	According to kinetic theory of gases, the size of the molecule is.	A. Much smaller than the separation between molecule M B. Much larger than the separation btween molecules C. Botha a and b D. Much larger ahtn the separation between atom
16	1.6 x 10-19 J is always equal to.	A. 1 farad B. Electron volt C. 1 coulomb D. Coulomb
17	Current Electricity is the branch of physics which deals with electric charges.	A. In motion B. At rest C. Both a and b D. None
18	What are gravitational waves.	A. Electromagnetic waves B. Mechanical waves C. Ocean waves D. Ripple in the fabric of spacetime
19	Identify whcih pari fromt he following does not have identical dimension.	A. Work and torque B. Moment ofinertial and moment of force C. Angular momentum and Planck's constant D. Ipulse and momentum
20	The ratio of angualr speed of minute's hand and hour's hand of watch is.	A. 12:1 B. 1:6 C. 6:1 D. 1:12