

Physics ECAT Pre Engineering MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The unit of work function is:	A. Joule B. Electron volt C. That of threshold frequency D. Both (A) and (B) E. None of these
2	A car travels first half distance between two places with a speed of 30 km/h and remaining half with a speed of 50 km/h. The average speed of the car is	A. 37.5 km/h B. 10 km/h C. 42 km/h D. 40 km/h
3	0.1 kg mass will be equivalent to the energy	A. 9 x 10 ¹⁵ J B. 5 x 10 ⁸ J C. 6 x 10 ¹⁶ J D. 9 x 10 ⁻¹⁶ J
4	Laws of reflection and refraction can also be explained by:	A. Particle nature of light B. Quantum nature of light C. Wave nature of light D. Complex nature of light
5	The current that flows through the coil of a motor causes	A. Its shaft to revolve B. Its brushes to rotate C. Motor to move D. Its shaft to rotate E. None of these
6	At the present time, the main frontiers of fundamental science are	A. 2 B. 3 C. 4 D. 5
7	The intensity of emitted energy (with wavelength) radiated from a black body at different temperatures was initially measured by:	A. Lummer B. Planck C. Pringsheim D. Both (A) and (B) E. Both (A) and (C)
8	Structure of the nucleus was explained by	A. J.J Thomson B. Bohr C. Millikan D. Rutherford
9	Bodies which falls freely under gravity provides good example of motion under:	A. Uniform acceleration B. Non-uniform acceleration C. Uniform velocity D. None of these
10	A the top of the trajectory of a projectile, the directions of its velocity and acceleration are	A. Perpendicular to each other B. Parallel to each other C. Inclined to each other at an angle of 45 ° D. Anitparallel to each other
11	The example of mechanical wave is	A. waves in ropes B. waves on water surface C. waves in air D. all of them
12	Absolute zero is considered as that temperature at which:	A. All liquid become gases B. All gases become liquid C. Water freezes D. None of these
13	A semi-conductor in its extremely pure form is known as	A. extrinsic semi-conductor B. intrinsic semi-conductor C. either of them D. none of them
14	In YDS experiment, fringe spacing means the distance between two consecutive fringes	A. Bright B. Dark C. Any of A or B

		D. None of these
15	Least distance of distinct vision of an old man possibly becomes:	A. A little less than 25 cm B. A little more than 25 cm C. Much less than 25 cm D. None of these
16	Position was discovered by Carl Anderson in	A. 1920 B. 1925 C. 1928 D. 1932
17	Under the elastic region, the deformation produced in the material, the deformation produced in the material will be	A. permanent B. temporary C. either of them D. none of them
18	Battery is charged in motor cars, which is based on	A. Chemical effect B. Magnetic effect C. Electric effect D. None
19	A high temperature, the proportion of shorter wavelengths radiation, emitted by the body	A. decreases B. first increases then decreases C. increases D. any one of them
20	The rate at which the free electrons pass through any section of a metallic wire from right to left is:	A. Greater than the speed at which they pass from left to right<0:p> B. Less than the speed at which they pass from left to right<0:p> C. The same speed at which they pass from left to right >b><o:p></o:p> D. D. Any of above<0:p>