

Physics ECAT Pre Engineering MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	In amplitude modulation, the amplitude of carrier wave changes in proportion to.	A. The amplitude of the modulating B. The frequency of the modulating C. The sign of the modulating D. All of the above
2	In solids, only following type/s of wave can travel:	A. Transverse B. Longitudinal C. Both A and B D. None of them
3	A mass spectrograph sort out	A. molecules B. atoms C. elements D. isotopes
4	The efficiency of diesel engine is	A. 25% B. 25 - 30% C. 35% D. 35 - 40%
5	1 gm-cm ⁻³ is equal to:	A. 10^3 kg-m ⁻³ B. 10^{-3} kg-m ⁻³ C. 1 kg-m ⁻³ D. 10^6 kg-m ⁻¹
6	In magnet-coil experiment, emf can be produced by:	A. Keeping the coil stationary and moving the magnet B. Keeping the magnet stationary and moving the coil C. Relative motion of the loop and magnet D. Any one of above E. All above
7	The information from far side of the universe are gathered by	A. Radio telescope B. Microscope C. Telescope D. Spectro scope
8	Laplace formula is derived from	A. Isothermal change B. Adiabatic change C. Isobaric change D. None of these
9	If $F=0.04$ N and $X=4$ cm then $K=$	A. 1 Nm^{-1} B. 2 Nm^{-1} C. 3 Nm^{-1} D. 4 Nm^{-1}
10	The induced current in the loop can be increased by:	A. Using a stronger magnetic field B. Moving the loop faster C. Replacing the loop by a coil of many turns D. All above E. Both (A) and (B)
11	Total number of base units are	A. Three B. Five C. Seven D. Nine
12	The body passing a viscous medium affected by:	A. One force only B. Two forces only C. Four forces D. None of these
13	According to Stoke's law, drag force depends on	A. Initial velocity B. Final velocity C. Terminal velocity D. Instantaneous velocity

14	Average value of A.C voltage during one cycle is	B. Zero C. Maximum D. Variable
15	Fluorescent screen is a screen where visible spot	A. vanishes B. is made C. becomes small and large D. none of these
16	The un-steady streamline flow is called	A. laminar flow B. turbulent flow C. both of them D. none of them
17	When heat is removed from the system	A. negative B. positive C. zero D. any one of them
18	The number of "Earth Stations" which transmit signals to satellites and receive signals from them are	A. 3 B. 24 C. 126 D. 200
19	The charged nucleus of an atom itself spins its magnetic field	A. equal to the field produced by orbital electrons B. greater than the field produced by orbital electrons C. much weaker than the field produced by orbital electrons D. none of these
20	The CRO deflects the beam of electrons, when they pass through uniform	A. electric field B. gravitational field C. magnetic flux D. magnetic field