

Physics ECAT Pre Engineering MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	dimensions are the same for:	A. Work and energy B. Force and weight C. None of these D. Both a and b
2	Physics details with the study of:	A. Matter B. Energy C. Both of them D. Human body
3	Energy gas behaves like an ideal gas at	A. High temperature and low pressure B. Low temperature and high pressure C. Both A and B D. None
4	Electron is a particle whose mass is:	A. Greater than that of a proton B. Smaller than that of a proton C. Smaller than that of a proton or a neutron D. Greater than that of an atom
5	If the ends of a wire are connected to a battery an electric field E will be set up at:	A. <p style="font-size: 0.8em; margin: 0;">The ends of the wire only</p>
6	According to the electromagnetic wave theory of light, increasing the intensity of incident light should increase the	A. number of photoelectrons B. size of the photoelectrons C. charge on photoelectrons D. K.E of photoelectrons
7	U-238 present in the natural uranium is about:	A. 59% B. 0.007% C. 99% D. 39% E. 19%
8	Density of oxygen is about 16 times that of hydrogen therefore if speed of hydrogen is x, then speed of oxygen.	A. Greater than x B. The same C. Less than x D. Depending upon the pressure of gases
9	The magnitude of the displacement is a line from initial position to final position which is	A. straight B. curved C. either be curved or straight

		D. none of them
10	Astrophysics is a branch of physics, which deals with	A. Sub-atomic B. Stars and galaxies C. Light and sound D. Music
11	Which one of the following is dimensionless.	A. Acceleration B. Velocity C. Density D. Angle
12	The information from far side of the universe are gathered by	A. Radio telescope B. Microscope C. Telescope D. Spectro scope
13	The He-Ne laser discharge tube is filled with:	A. 85% He B. 15% He C. 50% He D. 60% He E. 85% Ne
14	White light is directed at a diffraction grating at an angle normal to the grating starting at the normal to the grating (0°), the order of red, green and blue lights in the diffracted spectrum is.	A. Red, green, blue B. Green, blue, Red C. Red, blue, green D. Blue , green, red
15	Change in momentum is one second called.	A. Impulse B. Force C. Energy D. Work
16	Semi-conductor elements have atoms with	A. 2 valence electrons B. 3 valence electrons C. 4 valence electrons D. 5 valence electrons
17	The substances in which, atom are so oriented that their fields support each other and the atoms behave like tiny magnets, are called	A. diamagnetic substances B. ferromagnetic substances C. paramagnetic substances D. all of them
18	The information from far side of the universal are gathered by:	A. Radio telescope B. Microscope C. Telescope D. Spectro scope
19	Neutrons are	A. positive charge B. negatively charged C. massless D. neutral
20	A grating with high resolving power can distinguish _____ difference in wavelengths :	A. Larger B. Zero C. None of these D. Smaller