Physics ECAT Pre Engineering MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Essential characteristic of equilibrium is	A. Momentum equal to zero B. Acceleration equal to zero C. Kinetic energy equal to zero D. Velocity equal to zero
2	A gas which strictly obeys the gas laws under all conditions of temperature and pressure is called:	A. Ideal gas B. Inert gas C. Real gas D. None of these
3	When the particles of the medium vibrate about their mean position, along the direction of the motion of waves, then the waves are called:	A. Longitudinal waves B. Transverse waves C. Water waves D. Complex waves
4	When a body is moving on a surface, the force of friction is called	A. Static friction B. Dynamic friction C. Limiting friction D. Rolling friction
5	An isochoric process is one which take place at	A. Constant internal energy B. Constant entropy C. Constant volume D. Constant pressure
6	In case of destructive interference of two waves, the amplitude of the resultant wave will be _____ either of the waves.	A. Greater than B. Smaller than C. Equal to D. None of these
7	For a fixed force, larger is the mass of a body the	A. greater is its acceleration B. smaller is its acceleration C. smaller is its weight D. zero is its acceleration
8	The quantity have dimension of ML^2T^{02}will have SI unit of:	A. Watt B. Newton C. Joule D. Metre
9	The work done on the system by the environment is considered as	A. positive B. negative C. zero D. any one of them
10	The term drift velocity is used when the ends of a wire are:	A. Connected to a laser source<o:p></o:p> B. Connected to a voltage source<o:p></o:p> C. Not connected to a voltage source<o:p></o:p> D. At different values of potential<o:p></o:p> E. Both (B) and (D) <o:p></o:p>

11	In an experiment the uncertainty in the value of a resistor is 2% furthermore, the uncertainty in the potential difference across the same resistor is 1% . The uncertainty in the power loss in the resistor is.	A. Approximately 3% B. Approximately 5% C. Approximately 4% D. Approximately 6%
12	Hydrogen and helium of same volume V at same temperature T and same pressure P are mixed to have same volume V. The resulting pressure of the mixtures will be	A. R/2 B. P C. 2P D. Depending on the relative mass of the gases
13	A non-inertial frame of reference is one, in which	A. law of inertial is valid B. all laws of physics are the same in all frames C. a>0 or a<0 D. a=0
14	The angle of deflection of coil can be measured by the	A. one method B. three method C. two method D. none of these
15	What is the current is a 2 x 10^6ohm resistor having a potential difference of 2 x 10^3volts?	A. 10⁻¹A B. 10⁻²A C. 10⁻⁴A D. 1 mA
16	Centripetal acceleration is also called _____ acceleration	A. Tangential B. Radial C. Angular D. None of these
17	We can excite an atom by	A. Bombardment of particles B. Radiating photons C. Providing potential difference D. All answer are true
18	The blood pressure of a person	A. decrease with age B. increase with age C. has no effect with age D. none of them
19	The path followed by the projectile is known as:	A. Cycle B. Hyperbola C. Trajectory D. Route
20	Electron gun consist of	A. three anodes B. heating cathode C. three anodes D. three anodes , heating cathode, grid