

ECAT Pre General Science MCQ's Test For Physics Full Book

Sr	Questions	Answers Choice
1	The critical temperature of tin is	A. 1.18 K B. 4.2 K C. 3.72 K D. 7.2 K
2	Static electricity is produced by the transfer of:	A. Electrons B. Protons C. One fluid D. Two fluid E. None of these
3	Work has the dimensions as that of	A. Torque B. Angular momentum C. Linear momentum D. Power
4	G.P. Thomson observer experimentally that electrons and neutrons possess	A. particle-like properties B. wave-like properties C. neither particle nor wave like properties D. none of these
5	The direction of a vector in space requires:	A. X-axis B. X and Y-axes C. XYZ axes D. Y and Z-axes
6	The horizontal range of projectile, at a certain place, depends upon	A. the mass of the projectile B. velocity of projection C. angle of projection D. angle as well as velocity of projection
7	During the free fall motion of an object, when its weight becomes equal to the drag force, then it will move with	A. maximum speed B. zero speed C. maximum speed D. none of them
8	In a heat engine, heat is supplied by the	A. cold reservoir B. sink C. hot reservoir D. none of them
9	Electric field lines emerge from the charge in:	A. <p style="font-size: 12pt; line-height: 107%; font-family: 'Times New Roman', serif;">One dimension</p>

A. Inverse

10	In Bernoulli's theorem the relation between velocity and pressure is	B. Direct C. None of the above D. Both a and b
11	Beta particles are	A. hydrogen nuclei B. helium nuclei C. electrons D. photons
12	A person starts his journey from a point O, travels 4 Km SW, then 4 Km NW, and finally 4 Km north-east. At what distance is he now from point O?	A. 0 Km B. 4 Km C. 8 Km D. 12 Km
13	Which one of the following is not a vector quantity?	A. Kinetic energy B. Acceleration C. Momentum D. Force
14	Pair production take place when energy of γ -rays photon is	A. equal to 1.02 Mev- B. greater than 1.02 Mev C. less than 1.02 Mev D. none of these
15	Zirconia is classified as:	A. Ceramic solid B. Ionic compound C. Metal D. Either (A) or (B) E. Either (B) or (C)
16	Particles have the mass smallest of following is:	A. Electron B. Proton C. Neutron D. Quark
17	If the amplitude of sound is doubled and the frequency reduced to one-fourth, the intensity of sound at the same point will be	A. Increasing by a factor of 2 B. Decreasing by a factor of 2 C. Decreasing by a factor of 4 D. Unchanged
18	Equal charges are given to two spheres of different radii. The potential will	A. Be more on the smaller sphere B. Be more on the bigger sphere C. Be equal on both the sphere D. Depend on the nature of the material of the sphere
19	The most suitable material for permanent magnet is	A. cobalt B. iron C. steel D. aluminium
20	One complete round trip of the body about its mean position is called	A. displacement B. vibration C. a complete motion D. an acceleration