

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

Sr	Questions	Answers Choice
1	With age, least distance of distinct vision:	<p>A. Increases</p> <p>B. Decreases</p> <p>C. Is not affected</p> <p>D. None is correct</p>
2	When a body is moving on a surface, the force of friction is called	<p>A. Static friction</p> <p>B. Dynamic friction</p> <p>C. Limiting friction</p> <p>D. Rolling friction</p>
3	The velocity of falling raindrop attains limited value because of	<p>A. Up thrust of air</p> <p>B. Viscous force exerted by air</p> <p>C. Surface tension effect</p> <p>D. Air currents atmosphere</p>
4	The value of universal gas constant R is:	<p>A. 8.314 J/K mole K</p> <p>B. 8314 J/K mole K</p> <p>C. 8.314 J/mole K</p> <p>D. None of these</p>
5	An example of photoconductor is:	<p>A. <p>Times New Roman</p>Boron</p> <p>B. <p>Times New Roman</p>Carbon</p> <p>C. <p>Times New Roman</p>Iron</p> <p>D. <p>Times New Roman</p>Aluminum</p> <p>E. <p>Times New Roman</p>Selenium</p>
6	The ohm's is defined as	<p>A. 1 ampere / 1 volts</p> <p>B. 1 coulomb / 1 volt</p> <p>C. 1 volt / 1 ampere</p> <p>D. 1 volt / 1 coulomb</p>
7	The solids which has structure in-between order and disorder are called	<p>A. amorphous solids</p> <p>B. polymeric solids</p> <p>C. crystalline solids</p> <p>D. all of them</p>
8	The number of input terminals of an op-amp is:	<p>A. One</p> <p>B. Two</p> <p>C. Three</p> <p>D. Four</p> <p>E. None of these</p>
9	For maximum linear distance of travel, a projectile must be fired at an angle of	<p>A. 0°</p> <p>B. 45°</p> <p>C. 90°</p> <p>D. 60°</p>

10	In case of mechanical waves, we study the motion of	A. a single particle B. collection of particle C. any one of them D. none of them
11	The force exerted on a conductor of length L, carrying current I when placed in a magnetic field B is given by	A. $F = IB/L$ B. $F = L \times B/I$ C. $F = IL \times B$ D. $F = IL \cdot B$
12	The product of induced current and the resistance of the wire through which the current is passing is called:	A. Electromagnetic induction B. induced emf C. Induced current D. Self induced E. None of these
13	Time period of simple pendulum is independent of	A. length B. mass C. acceleration due to gravity D. none of them
14	The dimensions of viscosity are:	A. $M^{2/3}L^{-1}T^{-2}$ B. $M^{-1}L^{1/3}T^{-1}$ C. $M^{-1}L^{1/3}T$ D. $ML^{-1}T^{-1}$
15	When a charged particle passes through matter, it produces ionization, this effect is used in	A. fission reaction B. reactor C. radiation detector D. fusion reaction
16	The bands below the valence band are	A. completely filled and play active part in conduction process B. completely filled and plays no part in conduction process C. completely filled and play active part in conduction process D. not completely filled and play no part in conduction process
17	Particles have the mass smallest of following is	A. Electron B. Proton C. Neutron D. Quark
18	A point on the rim of a wheel moves 0.2 m when the wheel turns through an angle of 14.3 degrees. The radius of the wheel is:	A. 0.05 m B. 0.08 m C. 0.8 m D. 0.008 m
19	Acceleration in a body is always produced in the direction of :	A. Velocity B. Weight C. Force D. Both B and C
20	For an atom having atomic number Z and atomic weight A, the number of electron in an atoms	A. $A - Z$ B. $A + Z$ C. Z D. A