

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

Sr	Questions	Answers Choice
1	The time rate of change of displacement is called:	A. Time B. Acceleration C. Speed D. Velocity
2	A mass of a liquid of density is mixed with an equal mass of another liquid of density 3. The density of the liquid mixture is.	A. 1 B. 3/2 p C. 2 D. 4
3	At 0° K which of the following properties of a gas will be zero?	A. Kinetic energy B. Potential energy C. Vibrational energy D. Density
4	A (100 W , 200 W) bulb is connected to a 160 V power supply. The power consumption would be	A. 64 W B. 80 W C. 100 W D. 125 W
5	When a transistor is used as a switch the circuit in which the current is to be switched OFF and ON, is connected between the	A. base and emitter B. collector and emitter C. base and collector D. any one of these
6	When a platinum wire is heated, it appears yellow at	A. 1600°C B. 900°C C. 1100°C D. 1300°C
7	The value of current at resonance in series LCR circuit is affected by the value	A. R only B. C only C. L only D. R, C and L
8	Stoke;s law is not applicable when the speed of the object moving through a fluid is:	A. Zero B. Small C. Large D. None of these
9	A high concentration of red blood cells increases its viscosity from	A. 3 - 5 times that of mercury B. 5 - 8 times that of mercury C. 3 - 5 times that of water D. 5 - 8 times that of water
10	Referring to the above figure, we can say that of all the elements, the most stable element is	A. Phosphours B. Iron C. uranium D. Lithium E. Bismuth
11	A particle having the mass of electron and charge of a proton is called a	A. photon B. positron C. antiproton D. antineutrino
12	In a Milikian's oil drop experiment the charge on an oil drop is calculated to be $6.35 \times 10^{-19}C$. The number of excess electrons on the drop is	A. 3.9 B. 4 C. 4.2 D. 6
13	Pressure exerted by a gas on the walls of its container is due to	A. adhesion between the gas molecules and the container B. cohesion between the gas molecules and the container C. collision between the gas molecules and the container D. surface tension of the gas
14	INTELSAT operates at frequencies 4, 6, 11, 14 having unit of	A. KHz B. MHz C. GHz D. BHz

15	When a wave is travels from one place to another, it transfers:	A. Matter B. Energy C. Momentum D. Both B and C
16	If we connect a A.C. volt meter to read A.C. voltage, It would read its:	A. RMS value B. Instantaneous value C. Valued average over a cycle D. Zero E. Both (B) and (C)
17	For a body executing S. H. M, its	A. momentum remains constant B. potential energy remains constant C. kinetic energy remains constant D. total energy remains constant
18	A 10 F capacitor is charged to a potential difference of 50 V and is connected to another uncharged capacitor in parallel. Now the common potential difference becomes 20 volt. The capacitance of second capacitor is	A. $10 \mu\text{F}$ B. $20 \mu\text{F}$ C. $30 \mu\text{F}$ D. $15 \mu\text{F}$
19	The power dissipation in a pure inductive or capacitance circuit is	A. maximum B. positive C. zero D. none
20	The energy of a photon in a beam of infrared radiation of wavelength 1240 nm is	A. 100 eV B. 10^6 eV C. 10^3 eV D. 1.0 eV