

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

Sr	Questions	Answers Choice
1	The Instantaneous value of alternative current maybe:	A. The same as its RMS value B. Greater than its Rms value C. The same as its peak value D. Any of these E. None of these
2	The rain drop falling from the sky reach the ground with	A. Constant terminal velocity B. Constant gravitational acceleration C. Variable acceleration D. acceleration greater than g
3	A one microfarad capacitor of a TV is subjected to 4000 V potential difference. The energy stored in capacitor is	A. 8 J B. 16 J C. 4×10^{-3} J D. 2×10^{-3} J
4	The projectile motion is composed of	A. horizontal motion only B. vertical motion only C. horizontal and vertical motion D. none of them
5	Charge on neutron is	A. 1.6×10^{-19} C B. zero C. -1.6×10^{-19} C D. 1.2×10^{-19} C
6	The SI unit of electric flux is	A. Weber B. Nm^2/C C. NmC^{-1} D. Nm^{-2}/C
7	The effect of friction between different layers of a flowing fluid is described in terms of	A. motion of fluid B. nature of fluid C. colour of fluid D. viscosity of fluid
8	Smaller the damping, the resonance will be	A. more flat B. more sharp C. both of them D. none of them
9	Surface tension of water is reduced by adding	A. Detergents B. Camphor C. Plastic D. Both A and B
10	A.C. can be measure with the help of	A. Nuclear effect B. Magnetic effect C. Chemical effect D. Heating effect
11	The pressure of gas everywhere inside the vessel will be the same provided the gas is of	A. Non-uniform density B. uniform density C. high density D. low density
12	Mass of proton is	A. 1.67×10^{-27} kg B. 1.67×10^{-31} kg C. 1.66×10^{-34} kg D. 1.67×10^{-17} kg
13	If two waves of length 50 cm and 51 cm produced 12 beats per second, the velocity of sound is	A. 360 m/s B. 306 m/s C. 331 m/s D. 340 ms
14	Examples of polymeric substances are:	A. Plastic B. Synthetic rubbers C. Zirconia D. All of these E. Both (A) and (B)
15	Resolving power in mth order diffraction for aratina is given by:	A. $R = N/m$ B. $R = m/N$ C. $R = \lambda/m$ D. $R = m/\lambda$

		C. $R = N \times m$ D. None of these
16	If 250V is the RMS value of alternative voltage, then its peak value V_0 will be:	A. 353.5V B. 250V C. 175V D. zero E. 400V
17	A body starting from rest covers a distance of 0.45 Km and acquires a velocity of 300 Km h^{-1} . its acceleration will be	A. 7.71 m s^{-2} B. 0.5 m s^{-2} C. 0.15 m s^{-2} D. 0.092 m s^{-2}
18	The emitter-base junction of a transistor is forward-biased and collector-base junction is reverse-biased. If the base current is increased, its	A. I_{c} will decrease B. V_{CE} will increase C. I_{C} will increase D. V_{CC} will increase
19	Radio telescope is used to gather information from	A. Earth B. Moon only C. Far side of the universe D. Sea water
20	The transition from solid to liquid is actually from:	A. Order to disorder B. Disorder to order C. Order to order D. Disorder to disorder E. None of these