

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

Sr	Questions	Answers Choice
1	Units of impedance are	A. Henry B. Ohms C. moh D. Watt
2	If the stress increased beyond the elastic limit of the material, the deformation produced in the material will be	A. permanent B. temporary C. either of them D. none of them
3	The relationship between Boltzmann constant k with R and Nais given as:	A. $k = RN \cdot sub > A \cdot /sub >$ B. $k = R/N \cdot sub > A \cdot /sub >$ C. $k = NR/N \cdot sub > A \cdot /sub >$ D. None of these
4	A certain force gives an acceleration of 2 m/sec ² to a body mass 5 kg. The same force would give a 20 kg object an acceleration of:	A. 0.5 m/sec ² B. 5 m/sec ² C. 1.5 m/sec ² D. 9.8 m/sec ²
5	The value of the input resistance of OP-AMP is of the order of	A. few ohms B. few hundred ohms C. several kilo ohms D. several maga ohms
6	The magnetic force exerted on an electron moving with velocity 'v' at right angle to the magnetic field is given by	A. F=eVB B. F=e ² V/B C. F=e/VB D. F=B ² /ev
7	When a dielectric material is introduced between the plates of a charged condenser the electric field between the plates	A. Decreases B. Increases C. No change D. May increase or decresase
8	During the negative half-cycle of the half-wave rectification, the diode	A. does not conduct B. conducts C. either of these D. none of these
9	A simple pendulum consists of a	A. small light bob B. small heavy bob C. big light bob D. big heavy bob
10	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
11	A diode which can turn its current ON and OFF in nono seconds is called:	A. LED B. Photodiode C. An ordinary diode. D. Both (A) and (B) E. Both (B) and (C)
12	Resonance occurs when one of the natural frequencies of vibration of the forced or driven harmonic oscillator	A. greater than the frequency of applied force B. equal to the frequency of applied force C. less than the frequency of applied force D. all of them
13	When an electron is accelerated through a P.D. of an one volt, it will acquire energy equal to	A. One joule B. One erg C. One electron volt D. None of these
14	The volume of universal gas constant R is:	A. 8.314 J/K mole K B. 8314 J/K mole K C. 8.314 J/mole K D. None of these

15	Laser is a beam of:	A. VISIDIE light B. Infra red light C. Ultra violet light D. Violet light only E. yellow light only
16	Swimming is based on the principle of	A. Newton's 1st law B. Newton's 2nd law C. Newton's 3rd law D. All
17	The waves produced in a microwave oven have frequency	A. 2450 Hz B. 2450 K Hz C. 2450 M Hz D. 2450 G Hz
18	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
19	According to the special theory of relativity, time is	A. absolute quantity B. not absolute quantity C. constant quantity D. none of these
20	A body moving with an acceleration of 5 m/sec ² started with velocity of 10 m/sec. What will be the distance traversed in 10 seconds?	A. 150 m B. 250 m C. 350 m D. 400 m