

Physics ECAT Pre Engineering MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The unit of work function is:	A. Joule B. Electron volt C. That of threshold frequency D. Both (A) and (B) E. None of these
2	On heating, glass gradually softens into a paste like before it becomes a very viscous liquid at almost	A. 600 B. 7600 C. 800 D. 900
3	Recent studies of ferromagnetism have shown that there exists in ferromagnetic substances small regions called	A. tiny regions B. domains C. vectors D. none of them
4	A process is a reversible process, if the entropy of the system	A. increases B. decreases C. remains constant D. none of them
5	Chock consumes externally small	A. Charge B. Current C. Power D. Potential
6	A body moving with uniform velocity has	A. positive acceleration B. negative acceleration C. infinite acceleration D. zero acceleration
7	The maximum stress that a material can withstand, is known as	A. plastic point B. elastic limit C. yield point D. ultimate tensile strength
8	The existence of position was predicted by Dirace in	A. 1920 B. 1925 C. 1930 D. 1928
9	When there is no internal frictional forces between the adjacent layers of fluid, then the fluid is called	A. incompressible B. compressible C. viscous D. non viscous
10	The nature of capacity of electrostatic capacitor depends on	A. Shape B. Size C. Thickness of plates D. Area
11	Two point charges A and B separated by a distance R attract each other with a force of $12 \times 10^{-3} \text{N}$. The force between A and B when the charges on them are doubled and distance is halved	A. 1.92 N B. 19.2 N C. 12 N D. 0.192 N

12	Tick the correct statement:	<p> $\text{Potential difference is a scalar but potential difference is a vector}$ Both are vectors $\text{Potential is vector but potential difference is scalar}$ None of these </p>
13	Hydrogen and helium of same volume V at same temperature T and same pressure P are mixed to have same volume V . The resulting pressure of the mixtures will be	<p> A. $R/2$ B. P C. $2P$ D. Depending on the relative mass of the gases </p>
14	When quarter of a cycle is completed, the phase of vibration is:	<p> A. 90° B. 180° C. 45° D. 360° </p>
15	Which one the following gives three regions of electromagnetic spectrum in order of increasing wavelength?	<p> A. Gamma rays, micro waves, visible light B. Radio waves, ultraviolet waves, X-rays C. Ultraviolet rays, infrared rays, micro waves D. Visible light, gamma rays, radio waves </p>
16	When a mass ' m ' is pulled slowly, the spring stretches by an amount x_0 , then the work done will be	<p> A. $W = Kx_0$ B. $W = \frac{1}{2}Kx_0$ C. $W = \frac{1}{2}Kx_0^2$ D. $W = 4Kx_0$ </p>

