

Physics ECAT Pre Engineering MCQ's Test For Full Book

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Sr	Questions	Answers Choice
1	The current sensitivity of the galvanometer is	A. C/BAN B. BAN/C C. CAN/B D. CBN/A
2	The charge per unit time through any cross-section of a conductor is called	A. capacitance B. electric power C. current D. potential difference
3	Converse of pair production is known as	A. Compton effect B. annihilation of matter C. photoelectric effect D. none of these
4	.Depletion region contains:	A. Protons B. Positive ions C. Negative ions D. Both (B) and (C) E. Both (A) and (C)
5	The definite number of significant figures in 5000 is:	A. Four B. Three C. Two D. One
6	The L-C parallel circuit the capacitor draws a	A. leading current B. lagging current C. main current D. none of these
7	The absolute temperature of the tripple point of water is	A. 100 °C B. 4 °C C. 373 K D. 273.16 K
8	When an electron enters in a magnetic field right angle to its motion, the magnitude of its velocity will be	A. changed B. zero C. unchanged D. none of these
9	Velocity of a body changes if	A. direction of the body changes B. speed of the body changes C. neither speed nor direction changes D. either speed or direction changes
10	When the upward drag force of the fluid becomes equal to downward force of gravity of the droplet, then its velocity:	A. Starts increasing B. Starts decreasing C. Becomes constant D. Is called escape velocity
11	1 amu is equal to	A. 1.66 x 10 ⁻²⁴ kg B. 1.66 x 10 ⁻¹⁹ kg C. 1.66 x 10 ⁻³⁴ kg D. 1.66 x 10 ⁻²⁷ kg
12	An emf is set up in a conductor when it	A. Is kept in a magnetic field B. Is kept in an electric field C. Moves across a magnetic field D. Both A and B E. None of these
13	What must be changing when a body is accelerating uniformly?	A. the force acting on a body B. the velocity of the body C. the mass of the body D. the speed of the body
14	The waves moving from a sitar to a listener in air are	A. Longitudinal progressive B. Longitudinal stationary C. Transverse progressive

		D. I ransverse stationary
15	Referring to above figure, current in the coil P grows from zero to its maximum value:	A. At the instant the switch is closed B. At the instant the switch is opened C. When switch is kept open D. All of above E. Neither of above
16	When a body is performing S.H.M., its acceleration is	A. inversely proportional to the displacement B. directly proportional to the applied force C. directly proportional to the amplitude D. directly proportional to the displacement but in opposite direction
17	Conversion of A.C. into D.C. is called:	A. Reftification B. Amplification C. Electric induction D. Magnetic induction E. None of these
18	A field in which the work done in moving a body along closed path is zero is called	A. Nuclear Field B. Conservative field C. Gravitational field D. Non-conservative field
19	A two Kg block is held 1 m above the floor for 50 seconds, the work done is:	A. Zero B. 10.2 J C. 100 J D. 980 J
20	The free electrons in metals:	A. Are in random motion and their speed depends upon temperature <o:p></o:p> B. Move in particular direction<o:p></o:p> C. Move with speed of light<o:p></o:p> D. Move such that their speed does not depend on their temperature<o:p></o:p> E. Move such that their speed does not depend on their temperature<o:p> E. None of these<o:p></o:p></o:p>