

Physics ECAT Pre Engineering MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	In a straight current carrying conductor, the direction of magnetic field can be found by	A. right hand rule B. left hand rule C. head to tall rule D. none of these
2	The path described by a projectile is called its	A. orbit B. trajectory C. range D. distance
3	The second law of thermodynamics is concerned with the circumstances in which	A. heat can be converted into work B. direction of flow of heat C. none of them D. both of them
4	The figure 1.007276μ shows the mass of an:	A. Atom B. Positron C. Electron D. Neutron E. Proton
5	The useful unit of the angular displacement in SI unit is:	A. Degree B. Revolution C. Radian D. Metre
6	In rotational motion, analogue of force F us called:	A. Couple B. Torque C. Mass D. Moment of intertia
7	The SI unit of magnetic induction is	A. Gauses B. Tesla C. Weber D. Weber ²
8	At high speed, fluid friction and fuel consumption,:	A. Increases, decreases B. Increases, increases C. Decreases, increases D. None of these
9	The magnitude of alternative voltage V:	A. Always increase B. Always decrease C. Remains constant D. Does not remain constant E. None of these
10	The image of the tip of a needle is never sharp because of	A. Polarization of light B. Interference of light C. Diffraction of light D. Reflection of light
11	Circular motion is an example of motion in:	A. One dimension B. Two dimensions C. Three dimensions D. None of these
12	Inertia mass and gravitational mass are	A. opposite B. identical C. identical when there is no friction D. all of them
		A. No lines</span
		cross this area <o:p></o:p> B. Maximum lines pass through this area<o:p></o:p>

C. <span

13	When certain area A is held parallel to the field lines, then:	style= ront-size: 12.upt;line-height:107%;font-family: "Times New Roman","serif"">The number of lines are between zero and maximum<0:p> D. Both (A) and (B) correct<0:p> E. None of these<0:p>
14	If the external driving force is periodic with a period compareable to the natural period of the oscillator, then we get	A. diffraction B. beat C. interference D. resonance
15	Acceleration produced in a body by a force varies	A. inversely as the applied force B. directly as the applied force C. directly as the mass of the body D. none of them
16	The force of repulsion between two point charges is F, when these are at a distance 0.1 m apart. Now the point charges are replaced by sphere of radii 5 cm each having the same charge as that of the respective point charges. The distance between their centre is again kept 0.1 m; then the force of repulsion will	A. Increase B. Decrease C. Remain F D. Become 10F/9
17	How is the image formed by a convex lens affected if the upper half of the lens is covered with a paper:	A. The upper half of the image is cut off B. The brightness of the image is reduced C. The brightness of the image is increased D. No effect at all
18	Which type of wave can be set up in solids	A. longitudinal waves B. transverse waves C. both of them D. none of them
19	The free electrons in metals:	A. Are in random motion and their speed depends upon temperature<o:p> B. Move in particular direction<o:p></o:p> C. Move with speed of light<o:p></o:p> D. 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></o:p></o:p> E. c class="MsoNormal" style="fext-align:justify">None of these<o:p> Roman", " serif" ">None of these<o:p></o:p></o:p></o:p>
20	CRO deflects the beam of	A. proton B. a-particle C. electron D. neutron