

## Physics ECAT Pre Engineering MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	A body moving with an acceleration of 5 m/sec <sup>2</sup> 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
2	SHM is type of motion	A. Vibratory B. Linear C. Circular D. None
3	Which of the following should remain constant if no torque acts upon a body.	A. Linear constant B. Momentum C. Angular momentum D. Charge
4	The motion in a plane is the motion in	A. one dimension B. two dimension C. three dimension D. four dimension
5	The branch of physics which is mainly concerned with the motion of bodies under the action of forces is called:	A. Optics B. Mechanics C. Thermodynamics D. Astro physics
6	In case of planets, the necessary acceleration is provided by:	A. Gravitational force B. Coulomb force C. Frictional force D. None of these
7	An eV is unit of:	A. <span style='font-size:12.0pt;line-height:107%;font-family: "Times New Roman","serif";mso-fareast-font-family:"Times New Roman";mso-fareast-theme-font: minor-fareast'>Potential&lt;0:p&gt;</span> B. <span style='font-size:12.0pt;line-height:107%;font-family: "Times New Roman","serif";mso-fareast-font-family:"Times New Roman";mso-fareast-theme-font: minor-fareast'>Energy&lt;0:p&gt;</span> C. <span style='font-size:12.0pt;line-height:107%;font-family: "Times New Roman", "serif";mso-fareast-font-family: "Times New Roman", "serif";mso-fareast-font-family: "Times New Roman", "serif"mso-fareast-font-family: "Times New Roman", serif. font-size: 12pt;'>Power</span> E. <span style='font-family: "Times New Roman", serif. font-size: 12pt;'>Power</span> E. <span style='font-size: 12pt; line-height: 107%; font-family: "Times New Roman", serif.'>Both (B) and(C) &lt;&gt;o:p&gt;</span>
8	Ultra-violet rays differ from X-rays in that they	A. Cannot be diffracted B. Cannot be polarized C. Have a lower frequency D. Are deviated when they pass through a magnetic field
9	When a body moves along a circular path with constant speed, it has an acceleration,	A. Along the tangent B. Towards the centre

	which is always directed	C. Away from the centre D. None of them
10	Rate of change of momentum is called	A. Impulse B. Force C. Torque D. Momentum
11	An inertial frame of reference is that frame of reference in which	A. <b>a</b> = 0 B. <b>a</b> > 0 C. <b>a</b> < 0 D. all of them
12	If F=0.04 N and X=4 cm then K=	A. 1 Nm <sup>-1</sup> B. 2 Nm <sup>-1</sup> C. 3 Nm <sup>-1</sup> D. 4 Nm <sup>-1</sup>
13	When two waves with same frequency and constant phase difference phase difference interfere	A. There is a gain of energy B. There is a loss of energy C. The energy is redistributed and the distribution changes with time D. The energy is redistributed and the distribution remains constant with time
14	Flurescent screen is a screen where visible spot	A. vanishes B. is made C. becomes small and large D. none of these
15	The minimum charge on any object can not be less than	A. 1.6 x 10 <sup>-19</sup> C B. 3.2 x 10 <sup>-19</sup> C C. 1.0 C D. 4.8 x 10 <sup>-19</sup> C
16	In the expression of force experienced by electron, the direction of both $\underline{v}$ and $\underline{B}$ are	A. parallel B. zero C. perpendicular D. none of them
17	Force acting upon a charged particle kept between the plates of a charged condenser if F. IF one of the plates of the condenser is removed, force acting on the same will become	A. Zero B. F/2 C. F D. 2F
18	The electrons occupying the conduction band are known as	A. conduction electrons B. free electrons C. both of them D. none of them
19	The counter, which also provides the power to the G.M. tube is called:	A. Thin mica window B. thin glass window C. Airy window D. Wooden window E. None of these
20	Max plank received the Nobel Prize in physics for his discovery of energy quanta in	A. 1900 B. 1906 C. 1912 D. 1918