

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

Sr	Questions	Answers Choice
1	The direction of the acceleration is the same as that of	A. speed B. velocity C. both of them D. none of them
2	The body will move with terminal velocity when it acquires	A. minimum speed B. zero speed C. maximum speed D. none of them
3	Scalar product is also called:	A. Cross product B. Dot product C. Product scalar D. <div>Product vector</div>
4	Silicon can be obtained from:	A. Lead B. Uranium C. An isotope of oxygen D. Sand
5	Which of the following has the greatest coefficient of viscosity?	A. water B. gasoline C. honey D. tar
6	From sand, we get a material used for construction of computer chips. That material is called:	A. Germanium B. Silicon C. Copper D. Lead
7	The unit of thermodynamical scale is	A. centigrade B. fahrenheit C. kelvin D. none of them
8	Intensity of light determines the:	A. Energy of each photon B. Number of photons C. Speed of photons D. Size of photons E. None of these
9	Magnetic induction is also called as:	A. <span style='font-size: 12pt; line-height: 107%; font-family: "Times New Roman", serif;'>Ampere's law<b><o:p></o:p></b></span> B. <span style='font-size: 12.0pt; line-height: 107%; font-family: " Times New Roman", " serif"'>Faraday's law<o:p></o:p></span> C. <span style='font-size: 12.0pt; line-height: 107%; font-family: " Times New Roman", " serif"'>Lenz's law<o:p></o:p></span> D. <span style='font-size: 12.0pt; line-height: 107%; font-family: " Times New Roman", " serif" '>New Roman", " serif" "&gt;New Roman", " serif" "Times New Roman", " serif" "&gt;New Roman", " serif&amp;</span>

A. Always increase
B. Always decrease
C. Remains constant
D. Does not remain constant

		E. None of these
11	The lines of a difference grating have a spacing of 1.2 m. When a beam of monochromatic light is incident normally on the grating. The first order maximum monochromatic light is.	A. 1200 nano meters B. 450 meters C. 600 nano meters D. 700 nano meters
12	To display a digit of EIGHT, the number of ON LED'S are:	A. Two B. Three C. Five D. Seven E. Eight
13	The electric field, magnetic field and the direction of their propagation are mutually	A. perpendicular B. parallel C. none of these
14	Huygen's theory cannot explain	A. Diffraction     B. Interference     C. Polarization     D. Photoelectric effect
15	In series RC circuit when $R=X_{C_r}$ then the phase angle is	A. 0 <span style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;">°</span> B. 90 <span style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;">°</span> C. 70 <span style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;">°</span> D. 45 <span style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;">°</span> D. 45 <span style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;">°</span>
16	A body with frequency of would complete one vibration in:	A. f seconds B. 1/f seconds C. 1 second D. f <sup>2</sup> second
17	The rate of change of momentum of a molecule is equal to:	A. Pressure B. Work C. Density D. Force
18	In case of streamed lined flow of liquid, the loss of energy is	A. Maximum     B. Minimum     C. Infinite     D. equal to what is in turbulent flow
19	As compared to the distance measured by an observer on Earth, the distance from Earth to a star measured by an observer in a moving spaceship would seem:	A. Smaller B. Lerger C. Same D. Much larger E. None of these
20	Fire fighters have a jet attached to the head of their water pipes in order to head of their water pipes in order to	A. Increase the mass of water flowing per second     B. Avoid wastage of water     C. Increase the velocity of water flowing out D. Increase the volume of water flowing per second