

Physics ECAT Pre Engineering MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Glycerin has viscosity the viscosity of water:	A. More than B. Equal to C. Less than D. None of these
2	The rate change of area expressed is expressed in:	A. None of these B. ms ⁻¹ C. m ² s ⁻² D. ms ⁻² E. m ² s ⁻¹
3	If a nucleus emits an alpha particle, its mass number decreases by 4 while charge number decreased by	A4 B. 4 C. 2 D. 1
4	When a platinum wire is heated, it appears orange red at	A. 500 °C B. 900 °C C. 1100 °C D. 1300 °C D. 1300 °C
5	Free oscillations are always produced by:	A. An applied force B. Gravitational force C. Restoring force and inertia D. Inertia only
6	The path followed by the projectile is known as:	A. Cycle B. Hyperbola C. Trajectory D. Route
7	When a body is moves along a circular path with constant speed, it has an acceleration, which is always directed:	A. Along the tangent B. Toward the centre C. Away from the centre D. None of them
8	If two bulbs one of 60 W and other of 100 W are connected in parallel, then which one of the following will flow more?	A. 60 W bulb B. 100 W bulb C. Both equally D. None of these
9	Work is a	A. Scalar quantity B. Vector quantity C. Base quantity D. None of these
10	A potential barrier of 0.7 V exists across p-n junction made from:	A. Germanium B. Silicon C. Arsenic D. Gallium E. Indium
11	The system international (SI) is built from kind of unites	A. Two B. Three C. Four D. Five
12	The waves which propagate out in the space due to oscillations of electric and magnetic fields are called:	A. Mechanical waves B. Electromagnetic waves C. Matter waves D. All of them
13	For the working of a heat engine, there must be	A. a source of heat at high temperature B. a sink at low temperature C. both of them D. none of them

14	When a conductor moved with its length parallel to the lines of magnetic fled:	A. An emf is induced across its ends B. Emf induced is similar to that of a battery C. Emf passes through the conductor D. Both A and B E. None of these
15	In an experiment the uncertainty in the value of a resistor is 2% furthermore, the uncertainty in the potential difference across the same resistor is 1%. The uncertainty in the power loss in the resistor is.	A. Approximately 3% B. Approximately 5% C. Approximately 4% D. Approximately 6%
16	Which is modified form of galvanometer	A. potentiometer B. battery C. voltmeter D. slide wire bridge
17	The intensity at a point due to a charge is inversely proportional to	A. Amount of charge B. Size of the charge C. Distance between charge and the point D. Square of the distance from the charge E. None of these
18	Alternating current can be transmitted:	A. To long distance B. At very high cost C. At very low cost D. Both (A) and (C) E. Both (A) and (B)
19	The definite number of significant figures in 5000 is:	A. Four B. Three C. Two D. One
20	The number of different crystals systems based on the geometrical arrangement of their atoms and the resultant geometrical structure are	A. 5 B. 7 C. 9 D. 14