ECAT Pre General Science Physics Online Test

Sr	Questions	Answers Choice
1	To convert galvanometer into ammeter we connect	A. small resistance in parallel with galvanometer B. small resistance in series with galvanometer C. high resistance in series with galvanometer D. high resistance in parallel with galvanometer
2	When a conductor is moved across a magnetic field, the redistribution of charge sets up:	A. Magnetic field B. Electrostatic field C. Electromagnetic field D. All of these E. None of these
3	The disorder in the system increases due to the	A. removal of heat B. addition of heat C. removal or addition of heat D. none of them
4	When low energy photon interact with a metal,which of the following effect is likely to be taken place	A. pair production B. photoelectric C. Compton effect D. None of these
5	Work done along a closed path in a gravitational force is:	A. maximum B. Minimum C. Zero D. Unity
6	The time rate of change of displacement is called:	A. Time B. Acceleration C. Speed D. Velocity
7	The resistance of 20 cm long wire is 10Ω. When the length is changed to 40 cm. The new resistance is	A. 10Ω B. 20Ω C. 30Ω D. 40Ω
8	SI unit of impedance is	A. hertz B. henry C. ampere D. ohms
9	When certain area A is held parallel to the field lines, then:	A. No lines cross this area<o:p></o:p> B. Maximum lines pass through this area<o:p></o:p> C. <span style="font-size:12.0pt;line-height:107%;font-family: "Times New

		Roman","serif"">The number of lines are between zero and maximum<o:p></o:p> D. Both (A) and (B) correct<o:p></o:p> E. None of these<o:p></o:p>
10	The reverse saturation current in a PN junction diode is only due to	A. Majority carriers B. Minority Carriers C. Acceptor ions D. Donor ions
11	One mole of any substance contain	A. same number of molecules B. different number of molecules C. may be same or different D. none of them
12	When angular acceleration is positive, the body rotates:	A. Slower B. Slowest C. Faster D. None of these
13	When a body is vibrating, the displacement from mean position	A. Increases with time B. Decreases with time C. Changes with time D. None of these
14	The direction of vector in space is specified by:	A. One angle B. Two angles C. Three angles D. None of these
15	In reverse-biased p-n junction, the reverse current is due to flow of:	A. Minority charge carriers B. Majority charge carriers C. Free electrons from p to n-region D. Holes from n to p-region E. all are true except (B)
16	If two waves of length 50 cm and 51 cm produced 12 beats per second, the velocity of sound is	A. 360 m/s B. 306 m/s C. 331 m/s D. 340 ms
17	Smaller the damping, greater will be the	A. frequency B. wavelength C. amplitude D. none of them
18	A container has a small hole in the bottom. Air can go through this hole,but water cannot. This can be best explained by the statement that	A. water contains hydrogen atoms, air does not B. water molecules are smaller than molecules in the air C. water molecules are smaller than molecules in the air D. surface tension of the water prevents it from
19	In order to make a voltmeter, high resistance is connected with galvanometer, in	A. perpendicular B. may be paralled or pendicular C. series D. none of these
20	A device used to measure the speed of liquid flow is known as	A. barometer B. speedometer C. sphygmomanometer D. venture-meter