

ECAT Pre General Science MCQ's Test For Physics Full Book

Sr	Questions	Answers Choice
1	10 c.c. each of oxygen and hydrogen are kept in separate flasks. Then which of the following relations is correct?	<p>A. Each have same number of molecules</p> <p>B. Don't have same number of molecules</p> <p>C. Can't be predicted</p> <p>D. None</p>
2	The velocity given to a body to go out of the influence of earth's gravity is known as:	<p>A. Terminal velocity</p> <p>B. Orbital velocity</p> <p>C. Escape velocity</p> <p>D. None of these</p>
3	In the theory of dimensional analysis, heat may be properly represented by:	<p>A. ML^2T^{-2}</p> <p>B. MT^{-2}</p> <p>C. $ML^{-1}T^{-1}$</p> <p>D. None of these</p>
4	A solar cell converts energy of the Sun into:	<p>A. Heat energy</p> <p>B. Magnetic energy</p> <p>C. Light energy</p> <p>D. Sound energy</p>
5	Photoelectrons are emitted when ultraviolet light falls on:	<p>A. Casium</p> <p>B. Silver</p> <p>C. Potassium</p> <p>D. Any of these</p> <p>E. None of these</p>
6	A current flowing in an electrical component increase linearly from 0 to 5 A over 5 second s.The total charge flowing through the component over this duration is.	<p>A. 5 scoulombs</p> <p>B. 12.5 coulombs</p> <p>C. 10 coulombs</p> <p>D. 25 coulombs</p>
7	$N s m^{-2}$ is unit of:	<p>A. Drag force</p> <p>B. Pressure</p> <p>C. Surface tension</p> <p>D. Coefficient of viscosity</p>
8	The SI unit of viscosity is	<p>A. $kg m^{-1} s^{-1}$</p> <p>B. $kg ms^{-1}$</p> <p>C. $kg m^{-1} s^{-2}$</p> <p>D. $kg m^{-1} s$</p>
9	The induced current in the loop can be increased by:	<p>A. Using a strong magnetic field</p> <p>B. Moving the loop faster</p> <p>C. Replacing the loop by a coil of many turns</p> <p>D. All of above</p> <p>E. None of these</p>
10	Physicist George Simon ohm was a	<p>A. German physical</p> <p>B. French physicist</p> <p>C. Chinese physicist</p> <p>D. Russian physicist</p>
11	One kilogram of different substances contain	<p>A. same number of molecules</p> <p>B. different number of molecules</p> <p>C. may be same or different</p> <p>D. none of them</p>
12	A hole in p-type my be due to:	<p>A. Trivalent impurity</p> <p>B. Breking of some covalent bond</p> <p>C. Pentavalent impurity</p> <p>D. Germanium</p> <p>E. Either (A) or (B)</p>
13	Which of the following are the units of intensity of light	<p>A. Pois</p> <p>B. Lux</p> <p>C. Siemen</p> <p>D. Candela</p>
14	Current, voltage, resistance measuring circuit is connected with the galvanometer with the	<p>A. ON switch</p> <p>B. off switch</p>

	help of switch, known as	C. function switch D. none of these
15	For addition and subtraction purposes, absolute uncertainties are:	A. Added B. Subtracted C. Multiplied D. Divided
16	If a nucleus emits an alpha particle, its mass number decreases by 4 while charge number decreased by	A. -4 B. 4 C. 2 D. 1
17	The useful unit of the angular displacement in SI unit is:	A. Degree B. Revolution C. Radian D. Metre
18	Which of the following phenomenon proves the particle nature of light	A. interference B. diffraction C. photoelectric effect D. none of these
19	A device used to measure the speed of liquid flow is known as	A. barometer B. speedometer C. sphygmomanometer D. venture-meter
20	If the distance between two charges is doubled, the force between them will become	A. Double B. Half C. Three times D. One fourth E. One third