

Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The fraction change in resistance per Kelvin is known as:	<p>A. Temperature coefficient of Resistance</p> <p>B. Coefficient of voltage of change</p> <p>C. Thermal expansion</p> <p>D. All of the above</p>
2	The middle region of electric field is:	<p>A. Maximum field spot</p> <p>B. Zero field spot</p> <p>C. Perpendicular field spot</p> <p>D. All of above</p>
3	Which device is used as a rectifier?	<p>A. Capacitor</p> <p>B. Transistor</p> <p>C. Diode</p> <p>D. Transformer</p>
4	Light emitting diodes are made from semiconductors.	<p>A. Silicon</p> <p>B. Germanium</p> <p>C. Carbon</p> <p>D. Gallium arsenide</p>
5	Force per unit charge is called:	<p>A. Gravitational force</p> <p>B. Electric field intensity</p> <p>C. Coulomb's force</p> <p>D. None of these</p>
6	the substances in which the atoms do not form magnetic dipoles are called.	<p>A. Diamagnetic</p> <p>B. Para magnetic</p> <p>C. Ferro magnetic</p> <p>D. Crystal</p>
7	In gas the charge carriers are:	<p>A. Electrons</p> <p>B. Ions</p> <p>C. Both a & b</p> <p>D. None of above</p>
8	The condition of resonance is:	<p>A. $X_L = 1/2 X_C$</p> <p>B. $X_L = X_C$</p> <p>C. $X_C = 4X_L$</p> <p>D. None of above</p>
9	The mathematical symbol for NOR operation is	<p>B. $X = A \cdot B$</p> <p>C. $X = A + B$</p>
10	There are different crystal systems. The number of these crystal system is.	<p>A. 3</p> <p>B. 4</p> <p>C. 5</p> <p>D. 7</p>
11	Compton shift is maximum for scattering angle of photon	<p>A. 0°</p> <p>B. 90°</p> <p>C. 180°</p> <p>D. 45°</p>
12	The sensitivity of galvanometer directly depends upon	<p>A. Magnetic field</p> <p>B. Area of coil</p> <p>C. Both a and b</p> <p>D. None of a, b, c</p>
13	The magnitude of back emf:	<p>A. Increases with speed of motor</p> <p>B. Decreases with speed of motor</p> <p>C. Remains same</p> <p>D. None of above</p>
14	Commutator was invented by:	<p>A. William bills</p> <p>B. William Gates</p> <p>C. William tells</p> <p>D. William Sturgeon</p>
15	The ratio of potential barriers of Ge to Si at room temperature is.	<p>A. 7:3</p> <p>B. 1:3</p> <p>C. 2:5</p> <p>D. 3:7</p>

16	if time constant in RC series circuit is small, then capacitor is charged or discharged.	A. Slowly B. Rapidly C. At constant rate D. Intermittently
17	The fact that electric field exist in space around an electrical charge is	A. Electrical property B. Gravitational property C. Intrinsic property of nature D. Extrinsic property of nature
18	Which component of the transistor has greater contrition of impurity.	A. Base B. Emitter C. Collector D. Emitter and collector
19	The acceleration of an electron of mass m and charge e , moving with uniform speed v at right angles to a magnetic field of flux density B , is given by	D. $\frac{ev}{m}$
20	The Balmer series is obtained when all the transition of electrons terminate on	A. 1 st orbit B. 2 nd orbit C. 3 rd orbit D. 4 th orbit