

Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	In A.C circuit through a capacitor which one is:	<p>A. Current leads voltage by 90°</p> <p>B. Current lags behind voltage by 90°</p> <p>C. Both will be in phase</p> <p>D. None of above</p>
2	Recently a complex crystalline structure known as yttrium barium copper oxide ($\text{YBa}_2\text{Cu}_3\text{O}_7$) have reported to become super conductor at	<p>A. 163 K</p> <p>B. 169 K</p> <p>C. 200 K</p> <p>D. 100 K</p>
3	If a low resistance is connected parallel to a galvanometer then galvanometer is converted.	<p>A. Ammeter</p> <p>B. Voltammeter</p> <p>C. Ohmmeter</p> <p>D. Multimeter</p>
4	Closeness of the electric field lines is the measure of.	<p>A. Direction of field</p> <p>B. Strength of field</p> <p>C. Potential difference</p> <p>D. Uniformity of field</p>
5	Which is not true for X rays	<p>A. X rays are not deflected by electric field</p> <p>B. X rays are polarized</p> <p>C. X rays consist of electromagnetic waves</p> <p>D. X rays can be diffracted by grating</p>
6	The electric intensity due to two oppositely charged plates is	D. None of these
7	The energy of 4th Orbit in hydrogen atom is.	<p>A. -2.51 eV</p> <p>B. -3.50 eV</p> <p>C. -13.60 eV</p> <p>D. -0.85 eV</p>
8	Which one pair belongs to acceptor impurity.	<p>A. Arsenic, phosphorus</p> <p>B. Boron, gallium</p> <p>C. Arsenic, antimony</p> <p>D. Antimony, indium</p>
9	The unit of Plank's constant 'h' is.	<p>A. JC</p> <p>B. J/C</p> <p>C. JS</p> <p>D. J/S</p>
10	Reverse current flows due to	<p>A. Majority charge carriers</p> <p>B. Minority charge carriers</p> <p>C. Electrons</p> <p>D. Holes</p>
11	Transistor was invented by:	<p>A. Bardeen</p> <p>B. Micheal faraday</p> <p>C. Lenz</p> <p>D. Newton</p>
12	Tolerance of "Gold" band.	<p>A. $\pm 10\%$</p> <p>B. $\pm 5\%$</p> <p>C. $\pm 15\%$</p> <p>D. $\pm 20\%$</p>
13	Using relativistic effects the location of an air craft after an hour flight can be predicated about	<p>A. 20 m</p> <p>B. 50 m</p> <p>C. 760 m</p> <p>D. 780 m</p>
14	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>
15	In A.C. generator , when plane of coil is perpendicular to magnetic field, then output of generator is.	<p>A. $N\omega AB$</p> <p>B. $2\pi f$</p> <p>C. Maximum</p> <p>D. $\frac{1}{2}$</p>

D. Zero

16	If the potential difference across two plates of capacitor is doubled, then energy stored in it will be.	A. Two times B. Eight times C. Four times D. Remain same
17	One henry is equal to	A. 1 ohm x 1 sec B. 1 ohm x 1 hertz C. 1 ohm x 1 metre D. All of above
18	When some di electric is inserted between the plates of a capacitor, then capacitance.	A. Decreases B. Increases C. Becomes zero D. Becomes infinity
19	If the kinetic energy of a free electron doubles, its de Broglie wavelength changes by the factor.	A. $\sqrt{2}$ B. $\frac{1}{\sqrt{2}}$ C. 2 D. $\frac{1}{2}$
20	An ECG records the _____ between points on human skin generated by electric process i the heart.	A. Heart beat B. Pulse rate C. Pressure D. Voltage