

## Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The 1 <sup>st</sup> Bohr atom in the hydrogen atom has radius	A. $3.56 \times 10^{-10}$ m B. $0.053 \times 10^{-11}$ m C. $0.53 \times 10^{-11}$ m D. $5.30 \times 10^{-11}$ m
2	For ohmic device the graph between V and I is.	A. A straight line B. Curve C. Hyperbola D. Parabola
3	The drift velocity is of order:	A. $10^{-13}$ m/s B. $10^3$ m/s C. $10^{-3}$ m/s D. $10^{-4}$ m/s
4	Pair production cannot take place in vacuum because :	A. Mass is not conserved B. Momentum is not conserved C. Energy is not conserved D. Charge is not conserved
5	The SI unit of decay constant is	A. m B. $m^{-1}$ C. $s^{-1}$ D. $Nm^{-1}$
6	Question Image	A. Wien's constant B. Planck's constant C. Davison constant D. Lumber's constant
7	Torque on a current carrying coil	A. $\tau = IBA \cos \alpha$ B. $\tau = ILB \sin \alpha$ C. $\tau = IBA \sin \alpha$ D. $\tau = ILB \cos \alpha$
8	In Compton scattering, the value of shift is equal to Compton's wavelength, when X-rays is scattered at the angle of.	A. $90^\circ$ B. Zero C. $120^\circ$ D. $45^\circ$
9	Energy band theory is based upon	A. Hund's Rule B. Heisenberg uncertainty principle C. Bohr's atomic Model D. Wave mechanical model
10	Materials can be identified by measuring their	A. Mass B. Half life C. Both a and b D. None of a,b,c
11	The reciprocal of resistance is called.	A. Capacitance B. Resistance C. Conductance D. Inductance
12	If the separation between the plates of a capacitor is doubled then its capacitance become.	A. Double B. Half C. One fourth D. Three times
13	A one microfarad capacitor of a TV is subjected to 4000 V potential difference. The energy stored in capacitor is:	A. 8 j B. 16 j C. $4 \times 10^{-3}$ j D. $2 \times 10^{-3}$ j
14	The galvanometer can be made sensitive by making the factor BAN/C	A. Large B. Small C. Constant D. Zero
15	The rest mass x ray photon is	A. Infinite B. Zero C. $1.67 \times 10^{-17}$ kg

		D. All of the above
16	After curie temperature.	A. Ferromagnetic B. Paramagnetic C. Magnetic D. Diamagnetic
17	substance which undergo plastic deformation until they break are known as.	A. Brittle substances B. Ductile substance C. Non magnetic substance D. Magnetic substance
18	The reciprocal of decay construct lamda of a radioactive element is.	A. Half life B. Mean life C. Curie D. total life
19	A charged particle having charge 'q' is moving at right angle to magnetic field. The quantity which varies is.	A. Speed B. Kinetic energy C. Path of motion D. angular velocity
20	The potential difference between the head and tail of an electrical to	A. 600 Volt B. 700 Volt C. 800 Volt D. 900 Volt