

## Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The half life of radioactive elements depends upon	A. Temperature B. Nature of element C. Amount of the radioactive substance D. Pressure
2	For Paschen series, the value of 'n' starts from	A. 2 B. 4 C. 6 D. 8
3	Photo copier and inkjet printer are the applications of	A. Magnetism B. Electricity C. Electro magnetism D. Electrostatics
4	Drift velocity of electrons is.	A. $10^{-1}$ m/s B. $10^{-2}$ m/s C. $10^{-3}$ m/s D. $10^{-3}$ m/s
5	The number of Neutron is $^{238}\text{U}_{92}$ is	A. 92 B. 238 C. 146 D. 330
6	If a step up transformer were 100% efficient the primary and secondary winding's would have the same.	A. Current B. Power C. Voltage D. Direction of winding
7	In purely resistive A.C circuit, instantaneous value of voltage and current:	A. Current lags behind voltage B. Current leads voltage by $\pi/2$ C. Both are in Phase D. Voltage leads current by $\pi/2$
8	The shortest wave length is Bracket series has wave length.	A. $16/R_n$ B. $R_n/16$ C. $16/R_n$ D. $4/R_n$
9	$B^2/2\mu_0$ is the expression of.	A. Lenz's law B. Magnetic energy C. Magnetic energy density D. Back emf
10	The activity of radioactive sample	A. Is constant B. Increases with time C. Decreases linearly with time D. Decreases exponentially with time
11	For accurate measurement of current through a circuit, the resistance of ammeter should be	A. Very small B. Very high C. Neither small nor high D. None of the above
12	Power dissipated in a pure inductor is.	A. Large B. Small C. Infinite D. Zero
13	If the ionization energy of hydrogen atom is 13.6 eV, its ionization potential will be	A. 136.0 volt B. 3.0 volt C. 13.6 volt D. None of these
14	After curie temperature.	A. Ferromagnetic B. Paramagnetic C. Magnetic D. Diamagnetic

15	Coulomb's force is:	B. None conservative force C. Similar to frictional force D. None of the above
16	We can never accurately describes all aspects of sbatomic particles simulatanously. It is correct according to:	A. Uncertainty Priciple B. De-broglie Theory C. Einstin Theory D. Photo electric effect
17	In Pakistan the frequency of A.C. supply is.	A. 50 Hz B. 60 Hz C. 45 Hz D. 70 Hz
18	Energy density in an inductor is.	A. Directly proportional to magnetic field B. Directly proportional to square of magnetic field C. Inversely proportional to magnetic field D. Inversely proportional to square of magnetic field
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	The circuit which compares the two voltages is.	A. LDR B. Sensor C. Comparator D. Logic gate