

## Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Conversion of only one half of A.C. into D.C. is called.	A. Half wave amplification B. Wave amplification C. Half wave electrification D. Half wave rectification
2	A capacitor is charged with a battery and then it is disconnected. A slab of dielectric is now inserted between the plates, Then	A. The charge in the plates reduces and potential difference increase B. Potential difference between the plates increase, stored energy decreases and charge remains the same C. Potential difference between the plates decreases, stored energy decreases and charge remains unchanged D. None of them
3	The force of Neutron due to field of $10^2$ N/C is.	A. $1.6 \times 10^{-17}$ N B. $1.6 \times 10^{-19}$ N C. Zero D. $1.6 \times 10^{-21}$ N
4	The SI unit of magnetic induction Tesla is equal to	A. N-1 Am B. NA m <sup>2</sup> C. NA-1n <sup>2</sup> D. NA-1m <sup>-1</sup>
5	The resistivity of two wires is $\rho_1$ and $\rho_2$ which are connected in series. If there dimensions are same then the equivalent resistivity of the combination will be:	A. $\rho_1 + \rho_2$ B. $\frac{\rho_1 + \rho_2}{2}$ C. $\frac{\rho_1 \rho_2}{\rho_1 + \rho_2}$ D. $\frac{\rho_1 \rho_2}{\rho_1 - \rho_2}$
6	The emission of electrons from metal surface when exposed to light is called:	A. Compton effect B. Pair production C. Photoelectric effect D. None of above
7	Electric intensity due to an infinite sheet of charge is:	A. $\frac{\sigma}{2\epsilon_0}$ B. $\frac{\sigma}{\epsilon_0}$ C. $\frac{\sigma}{2\epsilon_0}$ D. none of these
8	Which of the following converts electrical energy into mechanical energy.	A. Transformer B. A.C. generator C. D.C. generator D. D.C. motor
9	The process by which lesser beam can be used to generate 3-dimensional images of objects is called	A. Holography B. Geo graphy C. Tomography

## D. Radio graphy

10	The radius of hydrogen atom is:	A. $0.53\text{\AA}$ B. $0.053\text{\AA}$ C. $0.53 \times 10^{-9}$ D. $0.053 \times 10^{-9}$
11	The types of quacks are.	A. 2 B. 3 C. 4 D. 6
12	To convert a galvanometer into an ammeter, we connect with it a	A. Shunt resistance B. Low value parallel C. Low value by pass resistor D. All of above
13	The energy of 4th Orbit in hydrogen atom is.	A. -2.51 eV B. -3.50 eV C. -13.60 eV D. -0.85 eV
14	If the coil is wound on iron core, the flux through it.	A. Decreases B. Becomes zero C. Increases D. Remains constant
15	1 amu =	A. 9.31 MeV B. 931 MeV C. 9.031 MeV D. None of above
16	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
17	When a nucleus emits alpha particle its atomic mass decreases by	A. 1 B. 2 C. 3 D. 4
18	The unit of $R_h$ is.	A. $\text{ms}^{-1}$ B. m C. $\text{m}^2$ D. $\text{m}^{-1}$
19	Life time of metastable states is	A. $10^{-6}$ sec or more B. $10^{-3}$ sec or more C. $10^{-5}$ sec or more D. None of these
20	Question Image	