

Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	One joule of energy absorbed per kilogram of a body is	A. Roentgen B. Grey C. Rem D. Curie
2	The most useful tracer is.	A. Strontium -90 B. Iodine -31 C. Cobalt -60 D. Carbon -14
3	In a pure inductive A.C. circuit the current.	A. Lags behind voltage by 90 ⁰ B. Leads the voltage by 90 ⁰ C. In phase with voltage D. Leads the voltage by 270 ⁰
4	By increasing the temperature of conductor, the flow rate of charges.	A. Increase B. Remains constant C. Decreases D. Changes exponentially
5	μ_0 (Ampere's constant) has value.	A. $4\pi \times 10^{-7} \text{ WbA}^{\sup>-1</sup>\text{m}^{\sup>-1</sup>}$ B. $4\pi \times 10^{-17} \text{ Wbm}^{\sup>2</sup>}$ C. $4\pi \times 10^{7} \text{ WbA}^{\sup>-1</sup>\text{m}^{\sup>-1</sup>}$ D. $4\pi \times 10^{-27} \text{ Wb/m}^{\sup>2</sup>}$
6	K α -X-rays are produced due to transition of electron from.	A. K to L shell B. L to K shell C. M to K shell D. M to L shell
7	Which one is not a ductile material	A. Lead B. Steel C. Copper D. Wrought Iron
8	The p-n junction in which p side is connected to +ive and n-side is -ve the junction is said to be:	A. Neutral B. Forward biased C. Reversed biased D. None of above
9	The "toner" of photocopier is given:	A. Positive charge B. Negative charge C. Remains neutral D. All of above
10	The position has charge which is in magnitude equal to the charge on	A. Electron B. Proton C. >β particle D. All
11	An inductor may store energy in	A. Its magnetic field B. Its coil C. Its electric field D. A neighboring circuit
12	If I_0 is the peak value of current, then its root mean square value is given by	B. $2 I_{\sup>0</sup>}$ C. $I_{\sup>0</sup>}$ D. $0.7 I_{\sup>0</sup>}$
13	In A.C. generator, when plane of coil is perpendicular to magnetic field, then output of generator is.	A. $N\omega AB$ B. $2\pi f$ C. Maximum D. Zero
14		A. Moving charged particles only B. Moving neutral particles only

14	De-Broglie waves are associated with	C. All moving particles D. All parties whether in motion or at rest
15	Binding energy for deuteron nucleus is given by	A. 2.8 MeV B. 2.23 MeV C. 2.28 MeV D. 2.25 MeV
16	Special organs called ampullae of lorezenite are present in.	A. Bats B. Cats C. Dogs D. Sharks
17	The typical nuclei are less than:	A. 10^{16} m B. 10^{14} m C. 10^{12} m D. 10^{10} m
18	1 rad =	A. 0.001Gy B. 0.01Gy C. 0.1Gy D. 1.01Gy
19	In current carrying long solenoid the magnetic field produced does not depend upon	A. The radius of solenoid B. Number of turns per unit length C. Current flowing through solenoid D. All of above
20	For workers in nuclear facilities is, a weekly dose of is normally considered safe	A. 1.0 msv B. 5.0 msv C. 2.0 msv D. 3.0 msv