

## Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	If $1 \times 10^7$ electrons passes through a conductor in 1.0 micro second , then the current is.	A. 2 A B. 1.6 A C. $2.6 \times 10^{-6}$ A D. $1.6 \times 10^{-6}$ A
2	The highest value reached by the voltage or current in one cycle is called.	A. Peak ot peak value B. Peak value C. Instantaneous value D. Root mean square value
3	In frequency modulation which factor changed.	A. Amplitude of charge carriers B. Frequency of charge carriers C. Amplitude of signal D. Frequency of signal
4	Semiconductor diodes are called:	A. Ohmic B. non ohmic C. Both a & b D. none of above
5	Helium-Neon laser discharge tube contains neon	A. 82% B. 15% C. 25% D. 85%
6	In case of A.C. through resistor V and I are	A. At $0^\circ$ with each other B. At $180^\circ$ with each other C. At $90^\circ$ with each other D. At $270^\circ$ with each other
7	The gate, which changes the logic level to its opposite level is called	A. NOR gate B. AND gate C. OR gate D. NOT gate
8	A rheostat can be used as variable resistor as well as a-----	A. Potential divider B. Current divider C. Wheat stone bridge D. Power divider
9	The electric flux through closed surface depends upon	A. Charge B. Medium C. Geometry D. Charge and Medium
10	The reactance is the ratio of	A. $V_{rms}/I_{rms}$ B. $V_{rms} \times I_{rms}$ C. $I_{rms}/V_{rms}$ D. $V_{max} \times V_{rms}$
11	Number of Isotopes of Neon gas are	A. 2 B. 3 C. 4 D. 1
12	When a wire is stretched and its radius becomes $r/2$ , then its resistance will be	A. 16 R B. 4 R C. 2R D. 0
13	When an electron in an atom goes from a lower to higher orbit its:	A. K.E increases , P.E decreases B. K.E increases , P.E increases C. K.E decreases , P.E increases D. K.E decreases , P.E decreases
14	Energy stored per unit volume inside a solenoid is called as	A. energy density B. Electric flux C. Work D. Volume charge density

15	The application of mutual induction is a.	A. D.C. motor B. Radio C. Television D. Transformer
16	K $\alpha$ -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
17	Magnetic flux density is measured in	A. Weber B. Weber/m <sup>2</sup> C. Tesla -m D. Gauss
18	GM counter uses	A. Alcohol only B. Bromine C. argon D. Neon and bromine
19	Unit of decay constant $\lambda$ is:	A. ms B. m <sup>-1</sup> C. m D. S <sup>-1</sup>
20	1 rad =	A. 0.001Gy B. 0.01Gy C. 0.1Gy D. 1.01Gy