

Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	For rectification we use.	A. Transformer B. Diode C. Choke D. Generator
2	The most useful tracer is.	A. Strontium -90 B. Iodine -31 C. Cobalt -60 D. Carbon -14
3	The anodes in cathode ray oscilloscope.	A. Control number of waves B. Control brightness of sept formed C. Accelerate as well as focus beam D. Negative potential w.r.t to chithode
4	Photons emitted in inner shell transition are.	A. Continuous X-rays B. Discontinuous X rays C. Characteristic X rays D. Energetic X rays
5	The average gap for Germanium at 0K is	A. 1.12 ev B. 0.02 ev C. 6.72 ev D. 7.2 ev
6	The symbol of p-n-p transistor is	
7	Electric flux is a	A. Vector quantity B. Scalar quantity C. Both (a) and (b) D. None of above
8	The mass of proton in amu is:	A. 1.07276 B. 1.7276 C. 1.007276 D. 1.0007276
9	The expression $P = VI$ hold only when current and voltage are.	A. In phase B. Out of phase C. At right angle to each other D. At angle of 120°
10	In RLC circuit the energy is dissipated in	A. R only B. R and L C. R and C D. L and C
11	The building blocks of protons and neutrons are called.	A. Ions B. Electrons C. Positrons D. quarks
12	NAND gate represented by:	A. $X = A \cdot B$ B. $X = A+B$ C. $X = A \cdot B$ D. $X = A+B $
13	The capacitance of a capacitor depends upon.	A. Thickness of plates B. Charges on the plates C. Voltage applied D. Geometry of the capacitor
14	The resonance frequency is given by:	A. $f_r = 2\pi\sqrt{LC}$ B. $f_r = 1/2\pi LC$ C. $f_r = 1/2\pi\sqrt{LC}$ D. $f_1 = 1/2\pi C\sqrt{L}$
15	The SI unit of magnetic permeability is.	A. $\text{WbA}^{-1}\text{m}^{-1}$ B. Wbm^{-2} C. WbmA^{-1} D. WbAm^{-1}
		A. $1.0974 \times 10^{7-1}$ B. 1.0974×10^{-7}

16	The value of Rydberg constant is	m^{-1} C. 1.0974×10^6 m^{-1} D. 1.0974×10^{-6} m^{-1}
17	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
18	$B^2/2\mu_0$ is the expression of.	A. Lenz's law B. Magnetic energy C. Magnetic energy density D. Back emf
19	In an LRC circuit, the capacitance is made one-fourth, when at resonance. Then what should be change in inductance, so that the circuit remain in resonance?	A. 4 times B. 1/4 times C. 8 times D. 2 times
20	1 amu =	A. 9.31 MeV B. 931 MeV C. 9.031 MeV D. None of above