

Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Special organs called ampullae of lorenzenite are present in.	A. Bats B. Cats C. Dogs D. Sharks
2	A metal rod of 1 m is moving at a speed of 1 ms^{-1} in a direction making an angle 30° with 0.5 T magnetic field . The emf produced is.	A. 0.25 N B. 2.5 N C. 0.25 V D. 2.5 V
3	Kx -Xrays 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
4	Application of wave like nature of particle is	A. Photodiode B. Optical microscope C. Electron microscope D. Compound microscope
5	The shortest wave length is Bracket series has wave length.	A. $16/\text{Rn}$ B. $\text{Rn}/16$ C. 16 Rn D. 4 Rn
6	Question Image	A. Wien's constant B. Planck's constant C. Davison constant D. Lumber's constant
7	For Holography we use	A. X ray B. Laser C. gama rays D. Beta rays
8	The value of Rydberg constant is	A. $1.0974 \times 10^{7} \text{ m}^{-1}$ B. $1.0974 \times 10^{-7} \text{ m}^{-1}$ C. $1.0974 \times 10^{6} \text{ m}^{-1}$ D. $1.0974 \times 10^{-6} \text{ m}^{-1}$
9	The unit of strain is:	A. Nm B. Nm^{-2} C. no unit D. Nm^2
10	In Compton scattering, the value of shift is equal to Compton's wavelength, when X-rays is scattered at the angle of.	A. 90° B. Zero C. 120° D. 45°
11	Photo copier and inkjet printer are the applications of	A. Magnetism B. Electricity C. Electro magnetism D. Electrostatics
12	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
13	The photoelectric effect predicts that light is made of	A. Photons B. Neutrons C. Protons D. None of these
14	A semiconductor in its extremely pure form is known as:	A. Intrinsic B. Extrinsic C. Both a and b D. None of above

15 The working principle of transformer is.
A. Self induction
B. Faraday's law
C. Mutual induction
D. Electromagnetic induction

16 Lenz's law was given by Heinrich lenz in:
A. 1894
B. 1904
C. 1854
D. 1834

17 The power factor of RL series circuit is.
A. 0
B. 1
C. Less then 1
D. More than one

18 If force in the direction of velocity of conductor, then induced current is directed,
A. Anti clockwise
B. Clock wise
C. At equilibrium
D. None of above

19 LDR becomes necessary when op amp is used as a
A. Night switch
B. Inverter
C. Comparator
D. Rectifier

20 _____ is the building block of every electronic circuit.
A. Semi conductor diode
B. Resistor
C. Capacitor
D. Amplifier