

Physics FSC Part 2 Online MCQ's Test

| Sr | Questions | Answers Choice |
|----|--|---|
| 1 | The induced emf in a coil is proportional to: | A. Magnetic flux through the coil B. Rate of change of Magnetic flux through the coil C. Area of the coil D. Product of magnetic flux flux and area of the coil |
| 2 | Photo diode detects. | A. Visible light B. Radio waves C. X rays D. All of them |
| 3 | Identify the practical application of electrostatic force. | A. Inkjet printer B. x rays C. Laser D. A.C. Generator |
| 4 | Which one of the following bulbs has the least resistance. | A. 100 W B. 200 W C. 500 W D. 1000 W |
| 5 | Potentiometer is used to. | A. Compare emf of two cells B. Detect internal resistance of cell C. Measure P.D. D. All of these |
| 6 | Paschen series lies in the | A. Far ultraviolet region B. Visible region C. Ultraviolet region D. Inferred region |
| 7 | If I_0 is the peak value of current, then its root mean square value is given by | B. 2 _o C. _o D. 0.7 _o |
| 8 | In glass, molecules are irregularly arranged so it is known as. | A. Solid B. Liquid C. Solid liquid D. Gas |
| 9 | In 'N' type material, the minority charge carriers are. | A. Free electrons B. Holes C. Protons D. Mesons |
| 10 | The Unit of decay constant. | A. Second B. (second)-1 C. m-1 D. mk |
| 11 | Which one of the following is ductile substance. | A. Copper B. Lead C. Wrought iron D. All of them |
| 12 | The ratio Beta in transistor is called. | A. Voltage gain B. Emitter gain C. Current gain D. Nuclear gain |
| 13 | Study of hydrogen visible spectrum in | A. 1886 B. 1887 C. 1895 D. 1885 |
| 14 | Pair production occurs only when energy of photon is at least equal in: | A. 1.02keV B. 1.02 eV C. 1.02 MeV D. 1.02 GeV |
| 15 | X _L = | A. 2πfL B. 1/2πfL C. 2πfL |

| | | D. tL/2π |
|----|---|---|
| 16 | The mass of an object will be doubled at speed. | A. 2.6 x 10 ⁸ m/s B. 1.6 x 10 ⁸ m/s C. 2.6 x 10 ⁷ m/s D. 3.6 x 10 ⁷ m/s |
| 17 | A solid having regular arrangement of molecules throughout its structure is called. | A. Amorphous solid B. Polymeric solid C. Crystalline solid D. Glassy solid |
| 18 | Half life of Uranium -239 is | A. 26.5 minutes B. 24.5 minutes C. 25.5 minutes D. 23.5 minutes |
| 19 | In case of capacitor, the unit of reactance is | A. Farad B. Ohm C. Newton D. All of these |
| 20 | If the resistance of 500 Ohm have fourth band of silver colour then its upper maximum resistance will be. | A. 600 Ohm B. 550 Ohm C. 450 Ohm D. 400 Ohm |