

## Physics FSC Part 2 Online MCQ's Test

| Sr | Questions  | Answers Choice   |
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| 1  | 106 electrons are moving through a wire per second the current developed is:                       | A. $1.6 \times 10^{-19}$ A<br>B. 1 A<br>C. $1.6 \times 10^{-13}$ A<br>D. 106 A                       |
| 2  | The process by which lesser beam can be used to generate 3-dimensional images of objects is called | A. Holography<br>B. Geo graphy<br>C. Tomography<br>D. Radio graphy                                   |
| 3  | The mutual inductance of the coils depends upon.   | A. Stiffness of the coils<br>B. Density of coils<br>C. Material of coils<br>D. Geometry of the coils |
| 4  | When 10 V are applied to an A.C circuit, the current flowing in it is 100 mA. Its impedance is.    | A. 100 Ohm<br>B. 10 Ohm<br>C. 1000 Ohm<br>D. 1 Ohm   |
| 5  | Due to polarization, electric field E.   | A. Increase<br>B. Decrease<br>C. First increases then decreases<br>D. Remain same                    |
| 6  | For automatic Switching of streetlight, the op amplifier is used as.                               | A. Inductor<br>B. Converter<br>C. Comparator<br>D. Thermistor  |
| 7  | A positron is an anti particle of.   | A. Proton<br>B. Electron<br>C. Neutron<br>D. Photon  |
| 8  | Cathode ray oscilloscope works by deflecting a beams   | A. Neutrons<br>B. Protons<br>C. Electrons<br>D. Positron   |
| 9  | The ratio of applied stress to volumetric strain is called:  | A. Young modulus<br>B. Shear modulus<br>C. Bulk modulus<br>D. Tensile modulus                        |
| 10 | A real transformer does not change.  | A. Voltage level<br>B. Current level<br>C. Power level<br>D. Frequency                               |
| 11 | Two down and one up quarks make  | A. Proton<br>B. Neutron<br>C. <del>photon</del><br>D. Positron                                       |
| 12 | The unit of magnetic induction is:   | A. Tesla<br>B. Weber<br>C. Weber metre<br>D. $\text{NAm}^{-1}$                                       |
| 13 | Coercive force is used to  | A. Demagnetize the material<br>B. Magnetize the material<br>C. Extend it<br>D. None of these         |
| 14 | For accurate measurement of current through a circuit, the resistance of ammeter should be         | A. Very small<br>B. Very high<br>C. Neither small nor high<br>D. None of the above                   |
| 15 | The SI Unit of magnetic induction is.  | A. Weber<br>B. Tesla<br>C. Gauss<br>D. Newton  |

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| 16 | The first laser was built by                                | A. ArthursSchawalow<br>B. T.H.Maiman<br>C. Peter Sorokin<br>D. C.H.Townes |
| 17 | The flow of D.C current is opposed by                       | A. Resistor<br>B. Induction<br>C. Capacitor<br>D. All of these            |
| 18 | For Holography we use                                       | A. X ray<br>B. Laser<br>C. gama rays<br>D. Beta rays                      |
| 19 | Which of the following is typical source of alpha particle. | A. Strontium -94<br>B. Radon -222<br>C. Cobalt -60<br>D. Zic sulphate     |
| 20 | Depletion region carries.                                   | A. -ve charge<br>B. +ve charge<br>C. Ions<br>D. No charge                 |