## Physics ICS Part 2 Online MCQ's Test

| Sr | Questions | Answers Choice |
|----|-----------|----------------|
| 1 | Greater concentration of impurity is added in. | A. Base<br>B. Emitter<br>C. Collector<br>D. LED |
| 2 | To convert a galvanometer into a volt meter a high resistance is connected. | A. In series<br>B. In parallel<br>C. In perpendicular<br>D. Along tangent |
| 3 | The phase difference between the current and voltage at resonce is: | A. 0<br>B. $\pi$<br>C. $-\pi$<br>D. $\pi/2$ |
| 4 | All motions are | A. Absolute<br>B. Uniform<br>C. Relative<br>D. Variable |
| 5 | The charge on Beta particle is | A. $+e$<br>B. $-e$<br>C. $-2e$<br>D. None of these |
| 6 | Which one has greater cone of impurity among all: | A. Emitter<br>B. Base<br>C. Collector<br>D. All are pure |
| 7 | Energy band theory is based upon | A. Hund's Rule<br>B. Heisenberg uncertainty principle<br>C. Bohr's atomic Model<br>D. Wave mechanical model |
| 8 | Most of the electrons in the base of an NPN transistor flow: | A. Out of the base lead<br>B. Into the collector<br>C. Into the emit<br>D. Into the base supply |
| 9 | If the separation between the plates of a capacitor is doubled then its capacitance become. | A. Double<br>B. Half<br>C. One fourth<br>D. Three times |
| 10 | A one microfarad capacitor of a TV is subjected to 4000 V potencial difference.The energy stored in capacitor is: | A. 8 j<br>B. 16 j<br>C. $4 \times 10^{-3}$ j<br>D. $2 \times 10^{-3}$ j |
| 11 | The electric intensity at infinite distance from the point charge is | A. Infinite<br>B. Zero<br>C. Positive<br>D. Negative |
| 12 | If a step up transformer were 100% efficient the primary and secondary winging's would have the same. | A. Current<br>B. Power<br>C. Voltage<br>D. Direction of winding |
| 13 | If magnetic field is doubled then magnetic energy density becomes. | A. Four times<br>B. Two times<br>C. Three times<br>D. Six times |
| 14 | In a coil current change from 2 to 4 A in .05 s . If the average induced emf is 8 V then coefficient of self-inductance is: | A. 0.2 henry<br>B. 0.1 henry<br>C. 0.8 henry |

|    |                                                                                                                                                 | D. 0.04 henry |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 15 | The electric intensity due to two oppositely charged plates is | D. None of these |
| 16 | Commutator was invented in | A. 1834<br>B. 1820<br>C. 1840<br>D. 1835 |
| 17 | The binding energy for_____ is maximum. | A. Copper<br>B. Glass<br>C. Iron<br>D. Aluminum |
| 18 | An A.C. voltmeter reads 220 V, its peak value will be | A. 225 V<br>B. 240 V<br>C. 311.12 V<br>D. 300 V |
| 19 | A force of 0.01 N is exerted on a charge $1.2 \times 10^{-5}$ C at a certain point. The electric field at that point is | A. $1.2 \times 10^{4}$ N/C<br>B. $1.2 \times 10^{4}$ C/N<br>C. $8.3 \times 10^{2}$ N/C<br>D. $8.3 \times 10^{-2}$ N/C |
| 20 | Unit of self inductance is | A. Weber<br>B. Tesla<br>C. Henry<br>D. Farad |