# ilmkidunya

## Physics ICS Part 2 Online MCQ's Test

| Sr | Questions | Answers Choice |
|---|---|---|
| 1 | Concept of electric field lines was given by: | A. Michelson<br>B. Henry<br>C. Michael faraday<br>D. Oersted |
| 2 | The number of Isotopes of cesium are. | A. 4<br>B. 32<br>C. 22<br>D. 36 |
| 3 | A real transformer does not change. | A. Voltage level<br>B. Current level<br>C. Power level<br>D. Frequency |
| 4 | 100 micro F capacitor is connects to an AC voltage 24 V and frequency 50 Hz. The reactance of the capacitor is. | A. 30.8 Ohm<br>B. 31.8 Ohm<br>C. 34.8 Ohm<br>D. 40 Ohm |
| 5 | At high frequency the value of reactance of capacitor will be. | A. Small<br>B. Zero<br>C. Large<br>D. Infinite |
| 6 | Energy density in an inductor is. | A. Directly proportional to magnetic field<br>B. Directly proportional to square of magnetic field<br>C. Inversely proportional to magnetic field<br>D. Inversely proportional to square of magnetic field |
| 7 | For automatic Switching of streetlight, the op amplifier is used as. | A. Inductor<br>B. Converter<br>C. Comparator<br>D. Thermistor |
| 8 | The moderator used in a nuclear reactor | A. Sodium<br>B. Uranium<br>C. Graphite<br>D. Cadmium |
| 9 | Base of transistor is of order: | A. $10^{-11}$m<br>B. $10^{6}$m<br>C. $10^{-8}$m<br>D. $10^{-6}$m |
| 10 | Unit of decay constant$\lambda$ is: | A. ms<br>B. $m^{-1}$<br>C. m<br>D. $S^{-1}$ |
| 11 | The combined effect of resistance and reactance in circuit is called: | A. Impedance<br>B. Inductance<br>C. Capacitance<br>D. None of above |
| 12 | Transformer is used to change | A. Electric power<br>B. Magnetic field<br>C. Alternating voltage<br>D. Phase of A.C. |
| 13 | The following gas was identified in the sun using spectroscopy | A. Hydrogen<br>B. Helium<br>C. Carbon<br>D. Nitrogen |
| 14 | Electron volt is the unit of. | A. Potential<br>B. Potential difference<br>C. Electric current<br>D. Electric energy |

| 15 | The acceleration of an electron of mass m and charge e, moving with uniform speed v at right angles to a magnetic field of flux density B, is given by | D. Bevm |
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| 16 | Intensity of field inside a hollow charged sphere will be. | A. Negative<br>B. Unaffected<br>C. Zero<br>D. Maximum |
| 17 | The reactance of inductor depends upon | A. L<br>D. All of the above |
| 18 | The phase difference between current and voltage in an inductive circuit is. | A. zero<br>B. $90^o$<br>C. $180^o$<br>D. $45^o$ |
| 19 | Low level radiations effects | A. Less of hair<br>B. Ulceration<br>C. Drop of white blood cells<br>D. All |
| 20 | The stopping potential for a certain metal is 10 volts. Thus work function for the cathode is. | A. 10 J<br>B. $1.6 \times 10^{-18}$ J<br>C. $1.6 \times 10^{-19}$ J<br>D. $1.6 \times 10^{30}$ J |