# Physics ICS Part 2 Online MCQ's Test

| Sr | Questions | Answers Choice |
|---|---|---|
| 1 | Step up transfer has a transformation ratio of 3:2. What is the voltage in secondary , If voltage in primary is 30 V? | A. 45 V<br>B. 15 V<br>C. 90 V<br>D. 300 V |
| 2 | For inducing emf in a coil the basic requirement is that: | A. Flux should link the coil<br>B. Change in flux should link the coil<br>C. Coil should form a closed loop<br>D. Both (b) and (c) are true |
| 3 | Bremsstrahlung radiation are examples of | A. Atomic spectra<br>B. Molecular spectra<br>C. Continuous spectra<br>D. Discrete spectra |
| 4 | In order to increase sensitivity of galvanometer the value of C may be | A. Increase<br>B. Decrease<br>C. Neither increase nor decrease<br>D. Remain same |
| 5 | B2/2p is the expression of. | A. Lenz's law<br>B. Magnetic energy<br>C. Magnetic energy density<br>D. Back emf |
| 6 | Study of hydrogen visible spectrum in | A. 1886<br>B. 1887<br>C. 1895<br>D. 1885 |
| 7 | Commutator was invented in | A. 1834<br>B. 1820<br>C. 1840<br>D. 1835 |
| 8 | When a wire is stretched and its radius becomes r/2, then its resistance will be | A. 16 R<br>B. 4 R<br>C. 2R<br>D. 0 |
| 9 | Materials can be identified by measuring their | A. Mass<br>B. Half life<br>C. Both a and b<br>D. None of a,b,c |
| 10 | 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<br>D. 0.04 henry |
| 11 | The relative permitivity of air is | A. 79.5<br>B. 1.006<br>C. 1.06<br>D. 1.0006 |
| 12 | First spectral series of hydrogen atom was discovered by | A. Lyman<br>B. Rydberg<br>C. Balmer<br>D. Paschen |
| 13 | The quantity/factor $h/m_oc$ has the dimensions of. | A. Length<br>B. Time<br>C. Mass<br>D. Energy |
| 14 | The output of two input is zero only when its. | A. Both inputs are zero<br>B. Either input is zero<br>C. Both inputs are one<br>D. Either input is one |
| 15 | Iodine -131 is used for the treatment by | A. Bones<br>B. Eyes<br>C. thyroid glands<br>D. Lungs |

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| 16 | The crystalline structure of NaCl is. | A. Cubical<br>B. Hexagonal<br>C. Tri gonal<br>D. Tetragonal |
| 17 | EMF is induced due to change in | A. Charge<br>B. Current<br>C. Magnetic flux<br>D. Electric field |
| 18 | The first orbit in the hydrogen atom has a radius. | A. 0.53 nm<br>B. 0.053 nm<br>C. 0.0053 nm<br>D. 0.00053 nm |
| 19 | If a charge body moved against the electric field it will again | A. Potential energy<br>B. K.E<br>C. Mechanical Energy<br>D. Electric potential energy |
| 20 | The minimum frequency needed to emit an electron form metal surface is called: | A. Work function<br>B. Threshold frequency<br>C. Quanta frequency<br>D. All of above |