

Physics ICS Part 2 Chapter 15 Online MCQ's Test

| Sr | Questions | Answers Choice |
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| 1 | Mutual induction play role in. | A. Generator B. D.C. motor C. Galvanometer D. Transformer |
| 2 | 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 |
| 3 | Unit of self inductance is | A. Weber B. Tesla C. Henry D. Farad |
| 4 | The self induction emf is some times called. | A. Motional emf B. Constant emf C. Back emf D. Variable emf |
| 5 | The device in the circuit that consume electrical energy are known as. | A. Dissipaters B. Generator C. Load D. Motors |
| 6 | A real transformer does not change. | A. Voltage level B. Current level C. Power level D. Frequency |
| 7 | The illustration of the phenomenon of mutual induction is in the device of | A. Transformer B. Inductor C. A.C. Generator D. Ammeter |
| 8 | The only difference between the construction of D.C and A.C is. | A. Carbon burshes B. Coil C. Commutator D. Magnetic field |
| 9 | Which of the following quantities remain constant in step up transformer? | A. Current B. Voltage C. Power D. Heat |
| 10 | In D.C. generator, split rings act as. | A. Capacitor B. Commutator C. Resistor D. Inductor |
| 11 | A simple device that prevents the direction of current from changing is called. | A. Commutator B. Rotor C. Armature D. Detector |
| 12 | Eddy current is produced when: | A. A metal is light in varying magnetic field B. A metal is kept in steady magnetic field C. A circular coil is placed in a steady magnetic field D. A current is passed through a circular coil |
| 13 | Energy density in an inductor is. | A. Directly proportional to magnetic field B. Directly proportional to square of magnetic field C. Inversely proportional to magnetic field D. Inversely proportional to square of magnetic field |

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| 14 | Lenz's law was given by Heinrich lenz in: | A. 1894 B. 1904 C. 1854 D. 1834 |
| 15 | A step up transformer is used 120 V line to provide 240 V. If primary coil has 100 turns the number of turns is secondary is. | A. 50 B. 100 C. 150 D. 200 |
| 16 | By winding the coil around a less magnetic core, self induction. | A. Will increase B. Will decrease C. Remain same D. First increase then decrease |
| 17 | When a motor is over loaded then the magnitude of back emf. | A. Increases B. Decreases C. Remain constant D. Zero |
| 18 | Question Image | A. Lenz's law B. Faraday's law C. Ampere's law D. None of these |
| 19 | The motional emf developed in a conduction depends upon. | A. Length B. Orientation C. Magnetic field D. All of the above |
| 20 | The device in which induced emf is statically induced emf is: | A. Transforms B. AC generator C. Alevator D. Dynamo |