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## Some questions asked from previous sent study material :-

- 1 Define electromagnetic induction. Who observed this phenomenon first?
- 2 Name a device which works on this phenomenon?
- 3 State Faraday's laws of electromagnetic induction?
- 4 Define magnetic flux. Is it scalar or vector?
- 5 What do we call the dot product of magnetic flux and area vector of the surface placed in the magnetic field? Write its dimensional formula.
- 6 State Lenz rule. On which law of conservation it is based?
- 7 What is induced e.m.f.? Describe two methods for producing induced e. m. f.
- 8 Explain that Lenz's law is in accordance with law of conservation of energy.
- 9 Give one example to illustrate Lenz's law.
- 10 A wire cuts across a flux of 0.002 weber in 0.12 second. What is the e.m.f. induced in the wire?
- 11 Why the induced e.m.f. is sometimes named as back e.m.f.?

