

Attempt any six questions.(12)

- 1 How can we find the direction of magnetic field by using right hand rule? 1
- 2 Write down two ways to increase the magnetic field. 2
- 3 What is D.C motor? 3
- 4 Describe Faraday's law about electromagnetic induction. 4
- 5 Define Lenz's law. 5
- 6 What is use of Transformer and how many coils it consists? 6
- 7 What is difference between step-up and step-down transformer? 7
- 8 What is Relay? How it works? 8

Attempt all questions.(9)

- 1 (a) What is electric motor? Write the principle of D.C motor. (a) 1
- (b) A step down transformer has a turns ratio is 100:1. An A.C voltage of amplitude 170V is applied to the primary. If the current in the primary is 1.0 mA, what is the current in the secondary? (b)