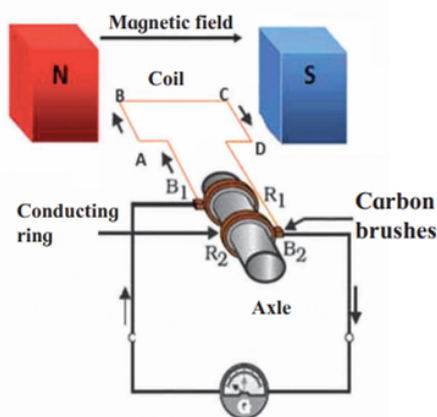


- Q.1 Multiple Choice Questions** 1
- 1 reverses the direction of current in the rectangular coil of the electric motor.
a. Battery b. Brushes c. Magnet d. Split rings
- Q.2 Find the odd one out** 1
- 1 Fuse, Bad conductor, Rubber shoes, Generator
- Q.3 Find co-related terms** 1
- 1 Current: Ampere:: Power:
- Q.4 State True or False** 1
- 1 Short circuiting occurs when live wire and earth wire come in direct contact.
- Q.5 Name the following** 1
- 1 Constituents of the alloy used to make a fuse wire.
- Q.6 Distinguish between(Any One)** 2
- 1 Bar magnet and Solenoid
- 2 AC generator and DC generator.
- Q.7 Give examples** 2
- 1 What is an electromagnet ? Name any four appliances working on electromagnetism ?
- Q.8 Give explanation using the given statements** 3
- 1 Statement 1 :Electric current (flow of electrons) creates heat in the resistor.
Statement 2 :Heat in the resistor is created according to the rule of energy conservation.
Explain Statement 1 with the help of Statement 2.
- Q.9 Answer the following(Any One)** 3
- 1 What is electromagnetic induction ? How does it generate electric current in the circuit ?
- 2 Identify the below diagram and explain the construction of it.



- Q.10 Answer the following in detail (Any One)** 5
- 1 Which device is used to produce electricity ? Describe with a neat diagram ?
i. Electric motor

- ii. Galvanometer
- iii. Electric Generator(DC)
- iv. Voltmeter

2 Complete the mathematical form of Joule's law.