

Section-3

Ans 2- Principle of MHD generation

- ① In MHD Power generation corrosion process depends upon Faraday's law of electromagnetic induction.
- ② The conductor may be solid, liquid or gas.
- ③ In MHD generator solid conductors are replaced by hot ionized gas.
- ④ The hot ionized gas 1300°C is passed through the MHD duct across which a strong magnetic field is applied.
- ⑤ Since the gases are hot and ionized they form an electrically conducting medium moving in magnetic field thus a voltage is generated.
- ⑥ The power generated by MHD generator is in the direct current form.

