

Ans

(1) Open Cycle MHD System  $\Rightarrow$  The open

Cycle MHD generator use Coal as a fuel as it produce more conduction plasma. This is because of more carbon atom as compared to hydrogen atom.

(2) The working temperature in the open Cycle MHD generator lies approximately in the range above  $2300^{\circ}\text{C}$

(3) This is a lower temperature limit and low this efficiency electrical conductivity because  $2170$  -

## Closed Cycle MHD System —

The very high thermal efficiency is achieved with low cycle cost in closed cycle plant and provides more useful power at low temperature at  $1600^{\circ}\text{C}$ .

The Closed Cycle plant is further classified in seeded with caesium and circulated in a close loop —