

Part - 'B' & 'C' : FACTS :

- ① Explain the technical aspects of power transmission technology. How 'P_R' can be increased?
- ② Compare HVAC transmission over HVDC transmission.
- ③ Explain briefly the various FACTS Controller.
- ④ What is Compensation of transmission lines? What are the various types of Compensation.
- ⑤ How series Compensation can increase the transmission capability of power lines?
- ⑥ Explain the working of SVC in detail. Also discuss the characteristics of SVC.
- ⑦ Discuss the principle of operation of SSCC.
- ⑧ Explain the working principle of operation of static phase shifter. Also give some of its applications.
- ⑨ Explain the basic operating principle of UPFC. Also discuss some advantages of UPFC.
- ⑩ Explain the various AC & DC filters used in power systems.