

Subject Code: G5602/R13

M. Tech –I Semester Regular/ Supply Examinations, February, 2016

HVDC TRANSMISSION

**(Common to HVE, HVPS, PS, PSC&A, EPE, EPS, PE, P&ID, PE&ED,
PE&D, EM&D, PE&PS and APS)**

Time: 3 Hours

Max Marks: 60

**Answer any FIVE questions
All questions carry EQUAL marks**

1. Explain the types HVDC links.
2. Enumerate the special features of converter transformers.
3. With a neat sketch explain the working of 12pulse converter circuit.
4. What are the filters used for the elimination of harmonics.
5. Explain the terms constant extinction angle and constant ignition angle control.
6. Mention the importance of multi-terminal DC links.
7. Explain briefly about converter faults.
8. Describe the significance of surge arrester and state their application?
