

**Department of Electronics & Communication Engineering**

Faculty of Engineering, Integral University, Lucknow

Assignment Sheet 1

High Voltage DC Transmission (EE-036)

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Problems : 07

1. What is an HVDC transmission line? What are the advantages and limitations of HVDC over AC transmission?
2. What are general aspects of HVDC transmission system?
3. Explain the choice of HVDC transmission verses EHV A.C transmission for long high power lines.
4. State the conditions for which HVDC links are preferred.
5. State the status of HVDC links and EHV lines in India.
6. Explain the parts of a HVDC link.
7. What do you mean by HVDC converter? Among the HVDC converters which one is the best and why?