



EEP 002

**III Semester B.Tech. (Electrical) Examination, August 2011
ELECTRICAL MACHINES – I LAB**

Time : 3 Hours

Max. Marks : 75

- Instructions :** 1) Answer *all* questions in Part – A and either (a) or (b) in Part – B.
2) *Each* question carries 5 (five) marks in Part – A and 50 (Fifty) marks in Part – B.

PART – A

1. Explain the load characteristics of DC separately excited generator.
2. Why DC motor is used in electric traction ? Explain.
3. Why Hopkinson's test is necessary in DC Machine ? Explain.
4. How OC test is conducted in transformer ? Explain.
5. How efficiency is calculated in single phase transformer ? Explain.

PART – B

6. a) To conduct an experiment of No Load and Load Characteristics of self excited DC Shunt Generator.

OR

- b) To conduct an experiment on Load test on three phase Transformer.
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