# S. Y. B. Tech. (EL & CE)

**Semester: IV Subject: Electrical Machines II**

**Name: Class:**

**Roll No: Batch:**

# Experiment No: 06

**Name of the Experiment**: Load Test on Synchronous Motor

**Teacher’s Signature with date**

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| **Marks** |
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**Performed on:**

**Submitted on:**

**Aim:** To study different types of load (inductive, capacitive, resistive) on synchronous motor. Explain with the help of phasor diagram

Draw current diagram for load test for synchronous motor.

Effect of change in excitation on the behavior of synchronous motor. Explain with the help od phasor diagram