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Class Roll No.....

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Enrollment No.....

**LNCT-UNIVERSITY
1ST MID-SEM EXAMINATION, [MAY-2025]**

Branch-AIML, II- Sem.

Basic Electrical & Electronics Engineering- (A-106)

Time: 1½ Hrs.

Maximum Marks: 20

Note: Attempt all questions.

Q.1 State superposition theorem.

[Co-1, 5 Marks]

Or

What is source transformation? And also explain it's importance.

Q.2 Explain Kirchhoff's voltage and current law

[Co-1, 5 Marks]

Or

State thevenin's theorem. How will you apply this theorem for solving a d.c network?

Q.3 Explain the generation of alternating voltage with diagram and discuss E.M.F. Equation.

[Co-2, 5 Marks]

Or

Explain how power in a three phase circuit can be measured by two wattmeter method.

Q.4 What are the different types of power?

[Co-2, 5 Marks]

Or

Write a short note on

- a) Cycle b) Time period c) Frequency d) Amplitude e) Phase