

[Total No. of Question: 4]
Class Roll No.....

[Total printed pages: 1]
Enrollment No.....

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

Branch-AIML, II- Sem.

Basic Electrical & Electronics Engineering- (AL-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