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**PRESIDENCY
UNIVERSITY
BENGALURU**

School of Engineering

Mid - Term Examinations - November 2024

Semester: V

Date: 07/11/2024

Course Code: EEE3011

Time: 11:45am to 01:15pm

Course Name: Testing and Commissioning of Electrical

Max Marks: 50

Equipment's

Program: B.Tech.

Weightage: 25%

Instructions:

(i) Read all questions carefully and answer accordingly.

(ii) Do not write anything on the question paper other than roll number.

Part A

Answer ALL the Questions. Each question carries 2marks.

5Qx2M=10M

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|---|--|---------|----|-----|
| 1 | List the factors affecting creepage distance. | 2 Marks | L1 | CO1 |
| 2 | What are the types of system grounding? | 2 Marks | L1 | CO1 |
| 3 | What is the purpose of a clamp meter? | 2 Marks | L1 | CO2 |
| 4 | List any four testing instruments necessary for electrical installation or repair. | 2 Marks | L1 | CO2 |
| 5 | Define the words consign, consignee, consigner, and consignment. | 2 Marks | L1 | CO2 |

Part B

Answer ALL Questions. Each question carries 10 marks.

4QX10M=40M

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|---|---|----------|----|-----|
| 6 | Explain the different methods of earthing with neat sketches. | 10 Marks | L2 | CO1 |
|---|---|----------|----|-----|

Or

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|---|--|----------|----|-----|
| 7 | Demonstrate earthing procedures for building installation and domestic appliances. | 10 Marks | L2 | CO1 |
| 8 | Outline the design considerations for earthing in power plants. | 10 Marks | L2 | CO1 |

Or

9 Explain the earthing of the gantry tower, current transformer, and circuit breaker. 10 Marks L2 CO1

10 Explain the procedure of inspection, storage, and handling of a transformer 10 Marks L2 CO2

Or

11 Explain the necessary safety tools for electrical installation. 10 Marks L2 CO2

12 Explain the factors to be considered while designing the foundation for electrical equipment at a site. 10 Marks L2 CO2

Or

13 Summarize the benefits of geometrical alignment of electrical machines. 10 Marks L2 CO2