

Al Jamia Mohammediyah Education Society, Mumbai's
MAULANA MUKHTAR AHMAD NADVI TECHNICAL CAMPUS
LULUWA YUSUF BOODAI POLYTECHNIC
SAMPLE QUESTION BANK

Course & Code: **CO**

Subject Code : **312302**

Name of Subject: **Basic Electrical and Electronics Engineering**

2 Marks Questions

1. Draw neat and labelled parallel magnetic circuit.
2. List the losses in transformer with its types.
3. Draw and Explain Electric circuit.
4. Draw and Explain Magnetic circuit.
5. Explain Fleming's Right-hand Rule.
6. Explain what is phase sequence and give the types of phase sequence.
7. Explain a. Balanced load b. Un Balanced Load
8. Draw Star connection and Delta Connection with proper notations.
9. Explain the parts of the transformer
10. Breather ii) Conservator
11. Explain Form Factor.

4 Marks Questions

1. Compare the Electric circuit and Magnetic circuit.
2. Draw and explain a. Dynamically induced EMF b. Statically Induced EMF
3. Explain the Faraday's law of Electromagnetic induction with diagram and equations.
4. First Law ii) Second law
5. Explain RMS Value and Average value
6. Explain Self and Mutual Inductance.
7. Explain the working principal of DC motor and also list the types of DC motor.
8. Define with diagram i) Time Period ii) Frequency

6 Marks Questions

1. Draw Star and Delta connected load and give the relation between for both star and Delta.
i) Line voltage and Phase voltage ii) Line current and phase current
2. Draw & explain the types of winding in transformer
i) Core type ii) Shell Type iii) Berry type
3. Draw the schematic diagram, of
i) DC Shunt Motor ii) DC Series Motor iii) DC Compound Motors.
4. Explain the construction and working principal of transformer also list the types of transformers.
5. Draw the DC motor construction and list the name of each parts.