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School of University Polytechnic

Diploma in Electrical Engineering
Semester End Examination - Nov 2023

Duration : 180 Minutes
Max Marks : 100

Sem V - N1DI504B - Electrical Machines-IIGeneral Instructions

Answer to the specific question asked

Draw neat, labelled diagrams wherever necessary

Approved data hand books are allowed subject to verification by the Invigilator

- 1) Define the rotor of 3 phase squirrel cage induction motor with diagram. K1 (2)
- 2) Debate the advantages and disadvantages of split phase induction motor and its applications. K2 (4)
- 3) Explain the star and delta connection of 3 phase induction motor and its applications. K2 (6)
- 4) Write the power factor.also explain the types of load. K3 (9)
- 5) Write the types of 3 phase induction motor? K3 (9)
- 6) Examine the rotor of 3 phase synchronous motor with diagram.and also tell the advantage and disadvantage of 3 phase synch.motor. K5 (10)
- 7) Analyze the resistive ,inductive and capacitive loads in 3 phase induction motor with graph. K4 (12)
- 8) Examine the star connections in three phase induction motor with diagram. K5 (15)
- 9) Examine the star and delta connection of 3 phase induction motor and its applications. K5 (15)
- 10) Explore the construction and working principle of servo motor and its applications. K6 (18)