

Modi Institute of Technology, Kota
Ist Midterm
IV Year VIII Sem
Branch: Electrical Engineering
Sub: Electrical Drives and Their Control

Time:1 Hr

MM:[10]

Attempt any two questions. Each question carries five marks.

Q1. Suggest the suitable conventions about the signs of torque and speed for multi quadrant operations of drives..

Q2. Write short note on steady state stability of drives.

Q3. Explain electric braking for DC separately excited motor, with suitable connection diagrams and speed torque curves.

*****Best of Luck*****

Modi Institute of Technology, Kota
Ist Midterm
IV Year VIII Sem
Branch: Electrical Engineering
Sub: Protection of Power System

Time:1 Hr

MM:[10]

Attempt any two questions. Each question carries five marks.

Q1. Explain zones of protection including primary and backup protection?

Q2. Explain time and current grading over-current protection scheme?

Q3. For the protection of generator, explain protection against stator inter-turn faults?

*****Best of Luck*****

Modi Institute of Technology, Kota
Ist Midterm
IV Year VIII Sem
Branch: Electrical Engineering
Sub: EHV AC/DC TRANSMISSION

Time:1 Hr

MM:[10]

Attempt any two questions. Each question carries five marks.

Q1. Give the reasons in details for using bundled conductors in EHV AC transmission. Briefly explain the properties of the bundled conductors.

Q2. Explain Automatic Generation Control.

Q3. Explain in Detail Method of Load Frequency Control .

*****Best of Luck*****

Modi Institute of Technology, Kota

I st Midterm
IV Year VIII Sem
Branch: Electrical Engg.
Sub: UEP

Time: 1 Hr

MM:[10]

Attempt any two questions. Each question carries five marks.

Q1. What is the advantage of electric heating? Give classification of various electric heating methods along with brief account of their working principles

Q2. Explain resistance welding and it application

Q3. State and explain law of illumination.

*****Best of Luck*****