

ELECTRIC DRIVE

EE-7002

ASSIGNMENT 1

- Q1. What do you understand by thyristor control drives ?
- Q2. Speed - Torque Expression Of controlled drives ?
- Q3. Fully controlled converters connected to Dc separately excited?
- Q4. Single phase semi-controlled converters?
- Q5. Speed control of thyristor drives.

ASSIGNMENT 2

- Q1. Define four quadrant operation of Dc drives ?
- Q2. Define Electric Braking ?
- Q3. What is motoring operation of Dc drive ?
- Q4. Two-quadrant & four Quadrant chopper fed Dc separately Excited ?
- Q5. Describe closed loop operation.

ASSIGNMENT 3

- Q1. Explain control of Induction motor by Ac voltage controller ?
- Q2. Define CSI operation ?
- Q3. Variable frequency control of induction motor by voltage source ?
- Q4. Define current Source inverters and cycloconverters ?
- Q5. Describe closed loop operation of induction motor.

ASSIGNMENT 4

- Q1. Describe slip power recovery of induction motor.
- Q2. Describe static Kramer drive.
- Q3. Describe Scherbius drive.
- Q4. Speed torque characteristic of induction motor.
- Q5. Applications of induction motor control.

ASSIGNMENT 5

- Q1. Separate control of synchronous motor.
- Q2. Speed torque characteristics of synchronous motor.
- Q3. Closed loop operation of synch. Motor.
- Q4. Describe VSI.
- Q5. Describe CSI.