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**EE 8353 Electrical Drives and Control**

**Important 2mark questions**

**Unit I**

1. What are the major elements of an electric drive?
2. Compare Group drive and individual drive.
3. Define cooling time constant.

**Unit II**

1. Why series motor is more suited to deal with torque overload than other DC motors?
2. Draw the speed torque characteristics of (a) fan (b) constant power loads.
3. List some application of DC series motor.

**Unit III**

1. What are the protective devices used in DC Motor Starters?
2. Mention the merits and demerits of DOL starter.
3. What are the disadvantages of a three point starter?

**Unit IV**

1. Mention the different methods of speed control employed for DC Series Motor.
2. What is meant by time ratio control of DC choppers?
3. What are the disadvantages of a field control method?

**Unit V**

1. What are the main features of V/F control?
2. List the advantages and disadvantages of Static Scherbius scheme of speed control.
3. What is meant by Slip-power recovery system?