

MODEL QUESTION PAPER

MFE1 - P

I Semester M.TECH Examination, August 2011 MACHINE DRIVES

Time: 01 Hours

Max.Marks: 25

- Q.1 Describe the speed torque characteristic of a DC series motor from a chopper having TRC(Time ratio control)?
- Q.2 Explain how you control an induction motor by stator voltage variation.
- Q.3 Explain the characteristics of dc. series motor.
- Q.4 Explain voltage source inverter fed synchronous motor drive.
- Q.5 Show that the torque to inertia ratios referred to the motor shaft and to the load shaft differ from each other by a factor of N , where N is the gear ratio. Show that the torque squared to inertia referred to the motor shaft or load shaft are the same?
