



PART B — (5 × 16 = 80 marks)

11. (a) Explain various classes of motor drives. (16)
- Or
- (b) Describe the selection of motor rating for continuous duty load. (16)
12. (a) Explain speed-torque characteristics of different types of load with graph. (16)
- Or
- (b) Explain with speed-torque characteristics of DC series motor under dynamic braking. (16)
13. (a) Describe with diagram working of 3-point starter for DC shunt motor. (16)
- Or
- (b) With diagram explain auto transformer starter for three phase induction motor. (16)
14. (a) With circuit describe DC motor Ward-Leonard control system. (16)
- Or
- (b) Explain first quadrant chopper control of separately excited motor for continuous conduction. (16)
15. (a) Explain voltage/frequency control of 3-phase induction motor. (16)
- Or
- (b) Describe Kramer system slip power recovery system of 3-phase induction motor. (16)