

Unit Test- 2

Semester- 2

Course: EJ Group

Subject: Elements of electrical Eng.. (EEE-312315)

K-Scheme Question Bank

CHAPTER-4 (Fractional horsepower motors)

(2Marks)

1. List different types of single phase induction motors.
2. List different types of stepper motor. State two applications of stepper motor.
3. List Different applications of single phase induction motors.(any four)
4. Draw schematic diagram of capacitor start capacitor run induction motor.
5. List applications of Linear induction motor (any four)
6. State how to reverse direction of rotation of universal motor?
7. List applications of universal motors.

(4 Marks)

8. Draw and explain single phase split phase induction motor.
9. Draw a neat sketch of a permanent capacitor single phase induction motor. Explain its working.
10. Explain principle of operation of universal motor with neat diagram.
11. Explain the principle of working of permanent magnet stepper motors.
12. Explain working principle of linear induction motor with neat diagram

CHAPTER-5 (Electrical protective devices)

(2Marks)

13. State function of ELCB.
14. Give the function of fuse and list different types of fuses.
15. List the different personal protective equipment (PPE).
16. Write applications of Fuse.(any four)
17. Write two applications of each of the following: (i) MCB (ii) MCCB.
18. What is earthing? List different types of earthing.

(4 Marks)

19. Explain working of fuse with a neat diagram and list different types of fuses.
20. Explain with a neat diagram the operation of MCB.
21. Give the working of MCCB with a neat diagram.
22. What is earthing? Give the importance of earthing.
23. With neat sketch explains the principle of operation of ELCB.
24. Explain pipe earthing with a neat diagram.
25. State different factors affecting the earthing.
