



Seventh Semester B.E. Degree Examination, Dec.2023/Jan.2024

Testing and Commissioning of Power System Apparatus

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Mention various tools, accessories and instruments required for Electrical Installation. (10 Marks)
- b. Briefly explain any 5 Indian Electricity Rules. (10 Marks)

OR

- 2 a. Explain standard specifications of a Power transformer. (10 Marks)
- b. Explain with neat diagram code of practice for Rating and terminal plates. (10 Marks)

Module-2

- 3 a. Explain the procedure of foundation of electric machine. (10 Marks)
- b. Explain in detail sudden – 3 – phase short circuit test on synchronous machine. (10 Marks)

OR

- 4 a. Explain in detail commissioning tests on synchronous generators. (10 Marks)
- b. Explain cooling of synchronous machines. (10 Marks)

Module-3

- 5 a. Explain the shaft alignment for various coupling in induction motor. (10 Marks)
- b. Explain Drying of induction motor. (10 Marks)

OR

- 6 a. Explain mechanical tests on induction motor. (10 Marks)
- b. Explain performance and temperature rise test on Induction motor. (10 Marks)

Module-4

- 7 a. Explain inspection and storage of underground cables. (10 Marks)
- b. Explain location of fault using megger. (10 Marks)

OR

- 8 a. Explain testing of underground cables. (10 Marks)
- b. Explain laying of underground cables. (10 Marks)

Module-5

- 9 a. Explain types and specifications of protective devices. (10 Marks)
- b. Explain type and routine tests on protective devices. (10 Marks)

OR **CMRIT LIBRARY**

- 10 a. Explain IE rules for domestic installation. **BANGALORE - 560 037** (10 Marks)
- b. Explain testing of electrical installation of a building. (10 Marks)

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