

CBCS SCHEME

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15EE752

Seventh Semester B.E. Degree Examination, Dec.2019/Jan.2020 Testing and Commissioning of Power System Apparatus

Time: 3 hrs.

Max. Marks: 80

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

Module-1

- 1 a. Explain the method of Artificial Respiration. (08 Marks)
b. Explain briefly special tools for live line maintenance. (08 Marks)

OR

- 2 a. What are the points to be considered in location and site selection for transformer installation? (08 Marks)
b. Explain Drying of Transformer. (08 Marks)

Module-2

- 3 a. Mention the specifications of synchronous machines. (06 Marks)
b. Explain briefly Testing of synchronous machines. (10 Marks)

OR

- 4 a. Explain about the sudden 3 phase short circuit test on generator. (08 Marks)
b. Explain cooling operation of synchronous machines. (08 Marks)

Module-3

- 5 a. Mention the specification of induction motor. (08 Marks)
b. Explain the concept of Installation of induction motor. (08 Marks)

OR

- 6 a. Write a short note on drying of winding induction motor. (10 Marks)
b. Explain the temperature rise test on induction motor. (06 Marks)

Module-4

- 7 a. Explain the various aspects to be considered in laying underground cables. (08 Marks)
b. Explain how to check cable fault by means of a megger. (08 Marks)

OR

- 8 a. List the various test conducted on power cables at works and at site. (08 Marks)
b. What precautions are necessary in cable jointing? (08 Marks)

Module-5

- 9 a. Mention the steps involved in installation of outdoor circuit breakers (08 Marks)
b. Briefly explain commissioning tests on circuit breakers. (08 Marks)

OR

- 10 a. Briefly explain the maintenance of circuit breakers. (08 Marks)
b. Explain protective devices Residential electrical Installation. (08 Marks)

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.