

S. B. Roll. No.....

INSTALLATION AND MAINTENANCE OF ELECTRICAL EQUIPMENT

5th Exam/Elect/8525/Nov'24

(For 2018 Batch Onwards)

Duration: 3Hrs.

M.Marks:75

SECTION-A

Q1. Do as directed.

15x1=15

- a. Buchholz relay is used in_____.
- b. Do not _____on the floor?
- c. Fuse wire metal has _____melting point?
- d. ELCB stands for?
- e. Tapping on transformer usually provides on_____?
- f. A fuse is a which type of device?
- g. Miniature circuit breaker is _____ costly than rewirable fuse?
- h. What is the name of the gel used in transformer breather
- i. The basic purpose of earthing is?
- j. Meggar is used for measuring_____?
- k. Before starting any installation work, always turn off the power to the circuit or equipment to ensure____
- l. The underground cable cannot be operated _____ above.
- m. The starting current is _____ times full load current.
- n. In India high voltage transmission is mostly by_____.
- o. MCB stands for_____

SECTION-B

Q2. Attempt any six questions.

6x5=30

- i. Explain current and voltage transformer.
- ii. Explain pole mounted substation.
- iii. What is guy wire? Explain different types of guy wire.
- iv. What is lightening arrestor?
- v. What are the various tests done on transformer? Explain any one method.
- vi. Explain the process of laying a cable in ducts.
- vii. Explain preventive maintenance of motors.
- viii. What are the causes of electric fire?

SECTION-C

Q3. Attempt any three questions.

3x10=30

- a. Explain the air blast circuit breaker with suitable diagram.
- b. Explain the different methods of laying an underground cable.
- c. What is maintenance and give types of maintenance?
- d. Explain the function of breather in transformer.
- e. Discuss the various types of insulators used in transmission and distribution system

P.S.B.T.E.&I.T.

