



C14-EE-506

4641

**BOARD DIPLOMA EXAMINATION, (C-14)**  
**OCT/NOV—2018**  
**DEEE—FIFTH SEMESTER EXAMINATION**

MAINTENANCE OF ELECTRICAL EQUIPMENTS

Time : 3 hours ]

[ Total Marks : 80

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**PART—A**

3×10=30

**Instructions** : (1) Answer **all** questions.

(2) Each question carries **three** marks.

(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. State different types of meter for testing of domestic appliances. 1+1+1=3
2. Draw the wiring diagram of ceiling fan. 3
3. State the principle of operation of room heater. 3
4. State the advantages of SMPS. 1+1+1=3
5. List the aspects to be followed while checking the stator winding. 1+1+1=3
6. Write any three periodical maintenance of batteries. 1+1+1=3
7. Write any three periodical maintenance of air conditioner. 1+1+1=3

- \* 8. Write any three causes of electrical hazards. 1+1+1=3
9. Write any three do's and don'ts of electric supervisor at substation. 1½+1½=3
10. List the applications of chemical foam fire extinguisher. 1+1+1=3

**PART—B**

10×5=50

**Instructions** : (1) Answer *any five* questions.

(2) Each question carries **ten** marks.

(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11. Explain the construction and working of electric iron. 5+5=10
12. Explain the construction and working of mixer. 5+5=10
13. Explain on-line preferred UPS with a neat diagram. 5+5=10
14. Explain the preventive and periodical maintenance schedule of UPS. 5+5=10
15. Explain the preventive and periodical maintenance schedule of starters. 5+5=10
16. Explain the preventive and periodical maintenance schedule of plinth-mounted transformer yard and power transformer. 5+5=10
- \* 17. Explain the operation of different fire extinguishers. 10
18. Explain different types of electric hazard and state the methods to avoid. 5+5=10

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