



C14-EE-506

4641

BOARD DIPLOMA EXAMINATION, (C-14)  
MARCH/APRIL—2017  
DEEE—FIFTH SEMESTER EXAMINATION

MAINTENANCE OF ELECTRICAL EQUIPMENTS

Time : 3 hours ]

[ Total Marks : 80

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. List the tools used for testing of electrical equipment. 1+1+1
2. State the internal parts of toaster. 1+1+1
3. State the working principle of electric geyser. 3
4. State the need of UPS. 3
5. State the necessity of maintenance. 3
6. Define air blast circuit breaker and mention its maintenance steps. 1+1+1
7. State the reasons behind vibratory motion in motors. 1+1+1

8. What is the significance of safety? 3
9. State any three safety equipments. 1+1+1
10. What is meant by first aid? 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. State any five first-aid materials and state their uses. 5+5
12. State the effect of the shock and electrocution. 5+5
13. Explain the maintenance of batteries. 10
14. Explain the maintenance of UPS. 10
15. Explain the maintenance of plinth mounted transformers and its yard. 10
16. Draw the block diagram of online-UPS and explain. 4+6
17. Explain the troubleshooting and rectifying the faults of electric iron. 5+5
18. Explain the troubleshooting and rectifying the faults of electric kettle. 5+5

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