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C14-EE-506

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BOARD DIPLOMA EXAMINATION, (C-14)

MARCH/APRIL—2021

DEEE - FIFTH SEMESTER EXAMINATION

MAINTENANCE OF ELECTRICAL EQUIPMENTS

Time : 3 hours]

[Total Marks : 80

PART—A

4×5=20

- Instructions :** (1) Answer *any five* questions.
(2) Each question carries **four** marks.
(3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

1. List the tools required for Testing and Repair of Domestic Appliances.
2. State the principle of Water Heater.
3. Give the fault testing procedure for domestic appliances.
4. Classify UPS.
5. State the need of Maintenance.
6. Define Relay and mention the steps involved in its maintenance.
7. State the need of lightning Arrestor maintenance.
8. State the need of Safety.
9. State any four safety equipments.
10. What is meant by First Aid?

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PART—B

15×4=60

- Instructions :** (1) Answer *any four* questions.
(2) Each question carries **fifteen** marks.
(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

11. Describe the construction and electrical wiring diagram of Geyser.
12. Explain the troubleshooting and rectifying the faults of Electric Kettle.
13. Draw the block diagram of online UPS and explain.
14. Explain the maintenance of Air conditioners.
15. Explain the maintenance of Batteries (Dry/Wet).
16. Explain the maintenance of pole-mounted transformer and its yard.
17. Explain the First Aid methods followed to rescue a person met with Electric shock.
18. Explain different types of Electrical accidents.

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