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BOARD DIPLOMA EXAMINATION, (C-14)**MARCH/APRIL-2019****DEEE - FIFTH SEMESTER EXAMINATION****MAINTENANCE OF ELECTRICAL EQUIPMENTS**

Time: 3Hours]

[Max. Marks:80

PART-A**10x3=30M**

Instructions: 1) Answer all questions and each question carries 3 marks.
2) Answers should be brief and straight to the point and shall not exceed five simple sentences.

- 1) List the instruments used for locating the faults in Electrical equipment.
- 2) List the internal parts of Room Heater.
- 3) List the parts of Electric iron.
- 4) State different types of U.P.S.
- 5) What is the importance of the Maintenance Schedule?
- 6) What are the indications of Discharged Batteries?
- 7) State the reasons behind the failure of Bearings.
- 8) What is Mouth to Mouth Resuscitation?
- 9) What is the importance of First Aid?
- 10) Define Electric shock?

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PART-B

5x10=50M

Instructions: 1) Answer any five questions. Each question carries **ten** marks.
* 2) The answers should be comprehensive and the criteria for valuation is the content but not the length of the answer.

- 11) Explain the working of CO₂ Fire extinguisher with a neat sketch.
- 12) State and explain the Methods to avoid the electrical Hazards.
- 13) Explain the construction and dismantling procedure of Electrical "Ceiling Fan"
- 14) Explain the working of S.M.P.S with a block diagram.
- 15) Explain the Maintenance of Starters used in D.C and A.C.
- 16) Explain the Maintenance of power Transformers.
- 17) Explain the Maintenance of Air conditioners and Relays.
- 18) Explain the Trouble shooting and rectifying the faults of Mixie.

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