

B.A. / B.Com.- I (NEP) Semester-II
BSC2013 - Electronics - Open Elective - Domestic Equipment Maintenance

P. Pages : 1

Time : Two Hours



GUG/S/25/16504

Max. Marks : 40

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Draw neat and well-labelled diagrams wherever necessary.

1. a) Explain the function of LCB in domestic electrical wiring. How do you test the electric power supply in electric board? 8

OR

- b) Explain the importance of earthing in domestic line. What is the use of series test lamp? 8

2. a) Explain the electrical connection of Ceiling fan. How do you test the electrical connection? 8

OR

- b) Explain the troubleshooting steps of LED bulbs. 8

3. a) Explain the construction and working of the electric water pump. 8

OR

- b) Explain the electrical connection of washing machine and its working. 8

4. a) Explain the construction and working of audio amplifier. State its application. 8

OR

- b) Explain the construction of LED television. What are the common steps to troubleshoot the LED TV. 8

5. Attempt **any eight** of the followings: 1x8

=8

- a) What is the function of Switch and Socket in electrical board?
- b) What is parallel test lamp?
- c) What is fan regulator?
- d) What is the use of electrical press?
- e) What is inverter?
- f) What is the function of driver circuit in LED tube light?
- g) What is the use of capacitor in electrical water pump?
- h) What is the function of timer switch in washing machine?
- i) What is electric mixer?
- j) State the application of audio amplifier.
- k) How do you test the power supply of LED TV?
- l) What is the use of thermostat in geyser?
