



APRIL/MAY 2019

**BSEL 35 — PRINCIPLES AND
UTILISATION OF ELECTRONIC
DOMESTIC APPLIANCES**

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. State the frequency range of microwave region
2. Write the advantages of microwave?
3. Mention the capabilities of semi-automatic washing machine.
4. What is all water heating system?
5. What is hydronic cooling system?
6. Mention the need of central air conditioning systems?
7. What is FAX?
8. What do you understand by handshake process?
9. What is decoder?
10. What do mean by electronic fund transfer?

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions

11. (a) Discuss the LCD timer with alarm.
Or
(b) Enumerate the wiring and safety instructions.
12. (a) Discuss the electronic controller for washing machines.
Or
(b) Explain briefly the features of washing machines.
13. (a) Discuss the All air conditioning systems
Or
(b) Explain briefly components of air conditioning.
14. (a) Describe the internal organization of calculator.
Or
(b) Elucidate the servicing of electronic calculators.
15. (a) Outline the features of digital cable TV.
Or
(b) Write a note on set-top boxes.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions

16. Explain the microwave oven with neat block diagram
17. Discuss the fuzzy logic washing machines.
18. Describe the following
(a) Unitary and central air conditioning systems.
(b) split air conditioners
19. Explain the block diagram of a digital clock.
20. Describe the electronic fund transfer.

