

NOVEMBER/DECEMBER 2018

**BSEL35 — PRINCIPLES AND
UTILISATION OF ELECTRONIC
DOMESTIC APPLIANCES**

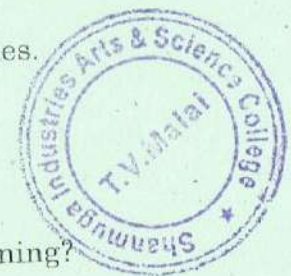
Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Write any two properties of microwaves?
2. What is the nature of frequency (energy) used in a microwave oven?
3. Write the types of washing machines.
4. What is zero crossing detector?
5. What is warm air system?
6. What do you mean by air Conditioning?
7. What is PSTN?
8. Write the important of facsimile machine?
9. What is Internet?
10. What do you understand by barcode scanner?



SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Discuss the Microwave oven block diagram.
Or
(b) Enumerate the single chip controllers.
12. (a) Explain briefly Fuzzy logic washing machine.
Or
(b) Discuss the washing machine hardware and software development.
13. (a) Discuss the Unitary and central air conditioning systems.
Or
(b) Explain briefly the split air conditioners.
14. (a) Describe the Facsimile machine.
Or
(b) Elucidate the xerographic copier.
15. (a) Describe the functions of Online ticket reservation.
Or
(b) Write a note on Barcode Scanner and decoder.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the LCD timer with alarm.
17. Discuss the electronic controller for washing machines.
18. Describe the components of air conditioning.
19. Explain the internal structure of a calculator.
20. Describe the automated teller machines.

