# 2020

## FUNDAMENTALS OF COMPUTER — GENERAL

### Paper : DSE-5.1eB

### (Module I & II)

### Full Marks : 80

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers in their own words
as far as practicable.*

Answer ***any eight*** questions.

1. Discuss various types of interfaces in the operating system. 10

2. (a) What is Cache memory? How does it work?

   (b) Discuss advantages of magnetic disk. (3+2)+5

3. Explain different types of computer memories. 10

4. (a) Write a note on Super Computer.

   (b) Discuss the functions of motherboard. 4+6

5. Discuss different types of decision table. 10

6. A shop owner allows credit facility to his customers if they satisfy any one of the following conditions :

   (a) Holding the job for more than 3 years and residing in the same place more than 5 years.

   (b) Monthly salary exceeds ₹ 20,000 and holding the present job for more than 3 years.

   (c) Residing in the same place for more than 5 years and monthly salary exceeds ₹ 20,000.
      The facility is rejected for all other customers. Draw a decision table. 10

7. Write short notes with suitable diagram.

   (a) Tree Topology

   (b) Storage Area Network. 5+5

8. Discuss the functions of important output devices. 10

9. Explain various applications of multimedia. 10

10. (a) Explain the concept of Internet Protocol.

    (b) Write a note on TCP. 5+5

**Please Turn Over**

11. Discuss the functions of RAM and ROM.                                              5+5

12. Explain the following terms :
    (a) Registers
    (b) Control unit.                                                                  5+5

13. (a) Discuss briefly important input devices.
    (b) Explain building blocks of multimedia.                                         5+5

14. Write short notes :                                                                2×5
    (a) LAN
    (b) WAN
    (c) MAN
    (d) VAN
    (e) SAN.

15. (a) Give an idea of arithmetic unit and logic unit.
    (b) How does the communication between processor and memory take place? — Explain with diagram.
                                                                                        5+5

16. Write short notes on *any two* :                                                   5×2
    (a) Ribbon cables
    (b) Network interface card
    (c) Modem
    (d) SCSI Port.

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