

2020

FUNDAMENTALS OF COMPUTER — HONOURS

Paper : DSE-5.1eB

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. (a) Distinguish between Primary memory and Secondary memory.
(b) Discuss the functions of RAM. 5+5
2. Explain the different parts of a computer with a simple block diagram. 10
3. (a) Compare between Synchronous and Asynchronous transmission.
(b) Write a note on Half Duplex. 6+4
4. Discuss the advantages and disadvantages of flowcharts. 5+5
5. Explain different types of Operating System with examples. 10
6. Discuss important component of a Multimedia system. 10
7. (a) What do you mean by Input devices?
(b) Discuss the major Input devices. 3+7
8. Explain functionality of 'System Bus' with diagram. 10
9. Write short notes on : 5+5
(a) Ribbon Cables
(b) Expansion Cards.
10. (a) What is decision table?
(b) Discuss the advantages and disadvantages of decision table. 2+(4+4)
11. Discuss different types of magnetic and optical storage devices. 10
12. (a) Write short notes on : Building Blocks of Multimedia
(b) Discuss the functions of Operating System. 5+5

Please Turn Over

13. Discuss the different types of topologies. 10
14. Explain the following terms : 5+5
- (a) Arithmetic Logic Unit
 - (b) Control Unit.
15. Mr. X opens a savings account with SBI on 01.01.2019. Interest rate is 10% p.a. Interest is compounded monthly. Initial deposit is ₹ X. Draw a flowchart to print the balance in Mr. X's account at the end of each month for 2 years time frame. 10
16. Write short notes on : 5+5
- (a) RAID
 - (b) Protocol Model – TCP.
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