

Paper I — FUNDAMENTALS OF COMPUTERS

(For those who joined in July 1999 and after)

Time : Three hours

Maximum : 100 marks

PART A — (20 × 2 = 40 marks)

Answer ALL questions.

1. Name any four components of a digital computer.
2. Mention the role of a flow chart.
3. What are programming languages?
4. What are the advantages of mainframe computers?
5. What is meant by multitasking?
6. Define the term data.
7. What is meant by floating point representation?
8. Mention any four advantages of binary system.
9. Convert the decimal number 20 into octal.

10. What are high level languages?
11. Why do we need input device?
12. Mention different types of memory systems.
13. Specify the components of CPU.
14. What is meant by memory addressing?
15. Specify the role of operating system.
16. Mention the advantages of batch processing.
17. Specify four advantages of windows operating system.
18. What is meant by process management.
19. What are the benefits of networking?
20. Define the term topology.

PART B — (5 × 12 = 60 marks)

Answer ALL questions.

All questions carry equal marks.

21. (a) Explain the working of a digital computer with a neat diagram.

Or

- (b) Discuss different types of computers.

22. (a) Explain the representation of characters and integers.

Or

- (b) Explain the features of programming languages.

23. (a) Explain the structure of memory in detail.

Or

- (b) Explain the method of program execution.

24. (a) Discuss the services of operating systems.

Or

- (b) Explain the classification of operating system.

25. (a) Explain the characteristics of communication media.

Or

- (b) Explain the features of Windows 95.

Paper II — COBOL AND DATA PROCESSING

(For those who joined in July 1999 and after)

Time : Three hours

Maximum : 100 marks

PART A — (20 × 2 = 40 marks)

Answer ALL questions.

1. What are COBOL words?
2. Define : Figurative constant.
3. List the names of Paragraphs in Identification division.
4. What are level numbers?
5. What is the use of VALUE Clause?
6. List the names of sections in Data Division.
7. What is the use of FD Entry?
8. Write the use of MOVE Verb.
9. What is the use of level no. 88?

