

PROGRAMMING IN C

Time : Three hours

Maximum : 100 marks

SECTION A — (6 × 5 = 30 marks)

Answer any SIX questions.

1. Mention some of the control strings used in input statements.
2. Write short notes on keywords.
3. Explain call by reference with an example.
4. Write short notes on macros.
5. Define array? How arrays are initialized?
6. Discuss about operations on pointers?
7. Write short notes on enumeration.
8. Explain in detail about bit fields.
9. Explain fscanf and fprintf functions.
10. Write the usage of getw and fgetc.

SECTION B — (4 × 10 = 40 marks)

Answer any FOUR questions.

11. Explain the “for” statements with an example program.
12. Write a program to perform matrix multiplication.
13. Explain pointers in detail with an example.
14. Define structures. How can you declare and access structure elements?
15. Explain string handling library functions with an example.
16. Explain fread and fwrite functions with an example.

SECTION C — (2 × 15 = 30 marks)

Answer any TWO questions.

17. What are the different types of “if” statements available in c. Explain with an example.
18. Explain the categories of functions with an example.
19. Write a program for storing and retrieving student details using files.