BIM31 — PROGRAMMING IN C

Time : Three hours   Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define an identifier.

2. Give the general form of conditional operator.

3. List any four control strings used in printf( ) function.

4. What is called branching?

5. Define an array.

6. Mention the use of getchar() function.

7. State any two need for functions.

8. Define Recursion.

9. What is called a file?

10. Define Structure.

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SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Explain the structure of C program.

Or

(b) Illustrate the steps for evaluation of expression.

12. (a) Describe the general form of if-else-if statement.

Or

(b) Elucidate the usage of while statement.

13. (a) Write short notes on two dimensional arrays.

Or

(b) Discuss about pointer expressions with example.

14. (a) Explain about ANSI C functions in detail.

Or

(b) Illustrate the concept of call by value.

15. (a) Describe the process of structure initialization.

Or

(b) Give an account on Union.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. List down the types of operators in C. Explain any four of them in detail.

17. Illustrate the usage of 'for' statement with its additional features.

18. Discuss any FOUR commonly used string handling functions.

19. Expound any TWO category of functions with example.

20. Describe the process of opening and closing a file.

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