BIM31 — PROGRAMMING IN C

Time : Three hours   Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define constant.

2. List down the relational operators in C.

3. Mention the use of getchar() function.

4. State the general form of conditional operator

5. Define pointer variable.

6. Give the general form of puts() function.

7. Define recursion.

8. List the access modifiers in c.

9. Define union.

10. What is called a file?

SECTION B — (5 × 5 = 25 marks)

Answer ALL the questions.

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

Or

(b) Illustrate the steps for evaluation of expression.

12. (a) Describe the usage of if..else statement.

Or

(b) Give an account on goto statement.

13. (a) Discuss about one dimensional array.

Or

(b) Elaborate any four commonly used string handling functions.

14. (a) Describe the basic form of c functions.

Or

(b) What is called nesting of functions? Explain with example.

15. (a) Discuss the definition of structure.

Or

(b) Elucidate the concept of structures within structures.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe the process of declaration of variables with example.

17. Compare and contrast 'do' statement with 'while' statement.

18. Write a C program to sort the names in alphabetical order.

19. Illustrate the concept of call by reference in detail.

20. Discuss any Two dynamic memory allocation function in detail.