MAY 2024 **U/ID 46503/UCC2A**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions.

1. What is an identifier?

2. What is bitwise expression?

3. Write down the syntax of scanf function.

4. Give any two uses of comma operator.

5. What is function?

6. What is storage class?

7. Mention the type in array with examples.

8. Define: Union.

9. How to declare pointers?

10. Mention the uses of register variables.

11. How to get the address of pointer variable?

12. List out various file modes available in C.

PART B — ($5 \times 5 = 25$ marks)

Answer any FIVE questions.

13. Briefly explain the logical operators with suitable examples.

14. Explain any five library functions.

15. Write a syntax of entry control loops with necessary examples.

16. What is unconditional loops with examples?

17. Write a program to find fibanocci series using recursion.

18. Write a program to calculate the sum of squares of numbers by passing arrays to functions.

19. Explain about pointers with suitable examples.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

20. Explain different data types in C with examples.

21. Write a C program to find the results of various arithmetic operations using switch statement.

22. Write a program to calculate mean for set of numbers by passing values to functions.

23. Explain the following:
    (a) Multidimensional arrays
    (b) Structures

24. Explain the file operations with example.
