DECEMBER 2023 **U/ID 46503/UCC2A**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions

1. What is meant by keywords?
2. What are Datatypes?
3. Write a syntex of if .... else statement.
4. What is comma operator?
5. What is Recursion?
6. What is Prototype?
7. Define : Array
8. What is storage class?
9. What is structure?
10. What is pointer?
11. Write down the general form of opening a file.
12. What is eof?

PART B — ($5 \times 5 = 25$ marks)

Answer any FIVE questions

13. Illustrate the various data types in C.

14. Write short notes on operators in C.

15. Explain break and continue statement with suitable examples.

16. Describe the storage classes in detail.

17. Explain functions and prototypes with suitable examples.

18. Discuss : Arrays and unions.

19. What is file? How to close a file? Explain with suitable examples.

PART C — ($3 \times 10 = 30$ marks)

Answer any THREE questions

20. Explain the various types of constants with examples.

21. Write a C program to display the factorial of n Numbers.

22. Explain the different categories of user defined functions.

23. Write a C program to perform 3×3 inverse of matrix

24. Explain the concept of pointer operations.

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