330   Register No.: ☐

April 2024

Time – Three hours
(Maximum Marks: 100)

[N.B.   1.   Answer all questions under Part-A. Each question carries 3 marks.

2.   Answer all the questions either (a) or (b) in Part-B. Each question carries 14 marks.]

PART – A

1.   List out unformatted I/O statements.

2.   Compare formatted input and formatted output.

3.   Differentiate while and do-while statements.

4.   Why do we need C expressions?

5.   Define arrays.

6.   What are benefits of string functions?

7.   List out the advantages of union over structure.

8.   Define structure.

9.   Compare inbuilt functions and User defined functions.

10.   Define call by value.

[Turn over.....

PART – B

11. (a) Explain about algorithm and flow chart.

      (Or)

    (b) Discuss about C programming data types.

12. (a) Explain about arithmetic, logical and relational operators.

      (Or)

    (b) Discuss about else-if ladder and nested if-else statement with examples.

13. (a) Explain two dimensional arrays with example program.

      (Or)

    (b) Discuss about strlen(), strcpy() and strcat() functions with examples.

14. (a) Discuss array of structures with example program.

      (Or)

    (b) Explain union with example program.

15. (a) Write a program to count the number of digits in a number using function and explain.

      (Or)

    (b) Discuss about reading and writing a file with example program.

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