

972

October 2023

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. Define Constants in C.
2. What is the function of compiler?
3. What are the operators in C? Mention any three.
4. Write the syntax for switch statement used in C.
5. Give the syntax of an array in C.
6. Write short notes on strcat().
7. Write the syntax for union.
8. What is meant by array of structure in C?
9. How will you define function?
10. Write the syntax in C to read a file?

[Turn over.....]

PART - B

11. (a) What is algorithm? Write the characteristics of an algorithm. Give an example for algorithm.

(Or)

- (b) Explain unformatted input and output statements used in C.

12. (a) Write the syntax for if else statement. Also write a C program to find whether the given number is even or odd.

(Or)

- (b) Explain four arithmetic operators and two logical operators.

13. (a) Illustrate about the two-dimensional array with example.

(Or)

- (b) Explain the following string handling functions:
(i) strcat() (ii) strcpy().

14. (a) Write a C program to prepare the total marks for N students by reading the Name, Reg.No, Marks 1 to Marks 5 using array of structure.

(Or)

- (b) Why do we need C unions? Explain.

15. (a) Write a C program to find factorial of given N numbers using function.

(Or)

- (b) Explain fwrite() with example.
