225

November 2022

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.

2. What are the unformatted input functions available in C?

3. Give the general format of if-else statement.

4. Define function.

5. What are the differences between structure and union?

6. Define argv[] and argc[].

7. What are the operations on stack?

8. Define circular queue.

9. What are the disadvantages of linked list?

10. Write the principles of bubble sort.

[Turn over.....

PART – B

11. (a) Draw the flowchart diagrammatic representation of program execution process.

   (Or)

   (b) Explain evaluation of expression with example.

12. (a) Explain string handling function with example.

   (Or)

   (b) Explain recursion algorithm with example.

13. (a) How to access the address of the variable through pointers?

   (Or)

   (b) Explain about command line arguments.

14. (a) Explain primitive and non primitive data structure.

   (Or)

   (b) Write a algorithm to convert infix expression to post fix expression.

15. (a) Explain bubble sort with example.

   (Or)

   (b) Explain singly linked list and circular list.

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