June 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 Program and Programming Languages.

2. What is meant by mixed mode expression?

3. What are the looping statements available in C?

4. How to declare and initializing string?

5. Define Structure with syntax.

6. List the various i/o functions in files.

7. What are the operations on stack?

8. Define dequeue.

9. Define doubly linked list.

10. Define quick sort.

PART – B

11. A) i) Explain program development cycle. (7)
       ii) Give the advantages of flow chart.   (7)

(OR)

   B) Explain about C operators?

12. A) Explain about if …. Else and nested if…..else statement.

(OR)

   B) Explain about formal arguments and actual arguments.

13. A) Explain about structures declaration and initialization.

(OR)

B) What are the input/ output functions used in file? Explain.

14. A) How to implement push and pop operations on stack?

(OR)

B) How to represent an array in queue? Explain with example.

15. A) Explain singly linked list and doubly linked list.

(OR)

B) How to arrange the given numbers in ascending order using bubble sort.

43   72   10   23   80   1   75