Department of Computer Science and Engineering,
Anna University, Chennai- 600025
CS23302 – Data Structures and Algorithms
Practical
July – November 2026
Year/Sem/Batch : II/III/ N

Exercise: 04	Stack Applications and Queue using Linked List	24 – Jul - 2026

Spot (5 Marks)

1. Implement the conversion of infix to postfix expression using stack for the following expression

K+L-M*N+(O^P)*W/U/V*T+Q

Briefly give the answers for the following questions

(i) What is the output of the following expression: 2 3 4 5 + *- 2.

(ii) What is the maximum difference between number of operators and operands?

(iii) What is the advantage of postfix expression?

(iv) Which expression doesn't require parenthesis?

(v) What is the output of the following expression: + * - 2 3 45