

## Department of Computer Science and Engineering, Anna University, Chennai- 600025 CS6104 - Data Structures and Algorithms (R 2018) Practical

August – December 2023 Year/Sem/Batch : II/III/ P

Exercise: 05

Stack and Queue

05 - Oct - 2023

## 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: 2345 + \*-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: +\*-2345