Assignment: Data Structure and Algorithm.

Assignment Question (DSA 3CS4 -05)

Issue Date: 05/10/2023   **Submission Date: 11/10/2023**

Total Marks: 50

Sr. No.	Questions	CO
1.	What is stack? Write an algorithm to convert infix expression into prefix expression with an example.	CO1
2.	Transform the following infix expression into their postfix expression. A. (A + B) / (C – D * E) B. A * C / D – E * F C. A ^ B ^ C – D / E D. A / B + C / D * E	CO1
3.	Evaluate the following postfix expressions. A. 5 4 6 + * 4 9 3 / + * B. 5 6 2 + * 9 3 / - C. 4 5 4 2 ^ + * 2 2 ^ 9 3 / * - D. 5 6 7 + * 8 -	CO1