

SRMIST, Delhi-NCR Campus

Department of Computer Science and Engineering

Assignment: 03

Subject: Data Structures

Code: 15CS201J

Issue date:

Submission date:

Q1. Is it possible that two stacks can be implemented using single array, if yes then write a pseudo to implement it using array.

Q2. Write pseudo for infix to postfix conversion of an arithmetic expression, convert the following

$(A-B*C)+(D/E)-((D+E)/(F+A))$

Q3. Write pseudo for Tower of Hanoi problem, execute it for $n=4$.

Q4. Write a c program to implement a Queue using two stacks.

Q5. Write pseudo to implement circular queue insertion and deletion operations.

Q6. Write short note on

(a) Priority queue

(b) Dequeue