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Roll No

MCADD-202

M.C.A. (Integrated), II Semester

Examination, November 2019

Data Structure Using C

Time : Three Hours

Maximum Marks : 70

- Note: i) Attempt any five questions .
ii) All questions carry equal marks.

1. a) Write features of array, structures and pointer data structures. 7
- b) Compare Stack and Queue. Write algorithm to insert an element in a stack. 7
2. a) Write prefix and postfix of the following: 7
 - i) $(A + B - D) / (E - F) + G$
 - ii) $A - B / (C \uparrow D) + (E * F)$
- b) Evaluate the expression $abc + *de / -$ where values of a, b, c, d and e are 5, 6, 2, 12 and 4 respectively in tabular form showing stack after every step. 7
3. a) What is a Linked list? Write its advantages and disadvantages. 7
- b) Compare linear queue and circular queue. 7
4. a) Write a program in C to create a singly linked list of integer values, 7

