

GURUDAS COLLEGE
INTERNAL EXAMINATION,2020
COMPUTER SCIENCE (GENERAL)
SEMESTER II
PAPER CC2
THEORY

F.M : 25

GROUP A

Answer any 5(five) questions

1. What are the various operations that can be performed on different data structure?
What are the linear and non linear data structures? 2.5+2.5
2. Write the Dequeue algorithm using array. 5
3. Write the algorithm for insert at beginning of a singly linked list. 5
4. What are the various differences between array and linked list? 5
5. Write an algorithm to insert a node in kth position of an array. 5
6. Write an algorithm for push and pop operation of a stack. 2.5+2.5
7. Why we cannot perform binary search on linked list. How doubly linked list is advantageous than singly linked list. 2.5+2.5

GROUP B
INTERNAL ASSESSMENT
F.M:10

1. Covert the following infix expression into postfix using stack.
 $(A+B)*C/D$ 5
2. Write the algorithm for Bubble sort. 5

Send the Scanned answer scripts to the following mail id:
csexam.cmsg3@gmail.com