UNIVERSITY OF CALCUTTA

FAKIR CHAND COLLEGE
B.SC. SEM-II (H) EXAMINATION : 2020
CMSA
PAPER : CC-2-3

F.M. : 50(10+25+15)   TIME : 2 Hrs

(Internal Assessment)

F.M.- 10

1. **Answer any two Questions :**   2 X 5 = 10
    a)   Write down advantages of Array.
    b)   What is recursion ?
    c)   Define Priority Queue.

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(Theory Examination)

F.M.- 25

2. **Answer any five questions :**   5 X 5 = 25
   a) What is a Queue ?
   b) Distinguish between Sequential search and Binary search.
   c) What are binary trees?
   d) Mention primary advantage of a linked list?
   e) Write down Binary Search algorithm.
   f) What is the difference between 'PUSH' and 'POP' ?
   g) What is Data abstraction?

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(Practical Examination)

F.M.-15

3 X 5 = 15

3. a) Write advantages of bubble sort.

b) What are common operations that can be performed on a data-structure?

c) What is the difference between array and ordinary variable in C ?