



DCCA103

Reg. No.

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I Semester B.C.A. Degree Examination, May/June - 2022

COMPUTER SCIENCE

- 1) Define Abstract Data Type.
2) What is sparse matrix?

3) D.C.T. (C)

4) Define Linked list.

4) Define

a) Directed graph

b) Weighted graph.

5) Define Binary Search.

6) Define Hashing.



SECTION - B

II Answer any Four questions. Each question carries Five marks.

(4×5=20)

- 7) Explain traversal of singly linked list
8) Explain circular queue with example.
9) Write an algorithm for inserting values in circular queue.
10) Define Binary search Tree. Give example.
11) Explain Linear Search algorithm
12) Explain Topological sorting.

[P.T.O.]