Undergraduate FOURTH SEMESTER EXAMINATIONS, 2022

Subject: Computer Science   Course ID: 41521

Course Title: ANALYSIS AND DESIGN OF ALGORITHMS – (Practical)

Course Code: SH/CSC/401/C-8

Full Marks: 15   **Time: 2 Hr**

The figures in the margin indicate full marks

Laboratory Note Book + Viva = 05, Experiment = 10

UNIT-I

Perform anyone of the following experiments: (1× 10 = 10)

1. Write a program to implement Heap Sort
2. Write a program to implement Quick Sort
3. Write a program to determine the LCS of two sequences
4. Write a program to perform Breath First Search in a Graph
5. Write a program to determine the Minimum Spanning tree of a Graph