

CSE THIRD YEAR / FIFTH SEMESTER / 2022-23(ODD)

ASSIGNMENT NO. : 4

1. Name of Subject: Design and Analysis of Algorithm

2. AKTU Subject Code: KCS-503

3. NBA Subject Code : C302

4. Unit Covered: IV

5. Date of Issue : 22.11.2022

Last Date of Submission: 30.11.2022

Max Marks: 25

Q #	Question Description	CO	BTL	MM
1	Write pseudo code FLOYD-WARHALL algorithm to compute the all pair shortest paths.	4	3	5
2	What is a Graph Coloring Problem? Explain how it can be solve using backtracking formulation using suitable example.	4	3	5
3	What is Backtracking?	4	2	5
4	Explain convex hull problem?	4	3	5
5	Explain n-Queens problem and give the solution of 4-queens problem.	4	1	5

CO: Course Outcome

BTL: Bloom's Taxonomy Level

MM: Max Marks

Name of Faculty: Krishna kumar joshi