ARAVALI COLLEGE OF ENGINEERING & MANAGEMENT, FARIDABAD
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ASSIGNMENT 1

Program: B.Tech. CSE   Batch: CSE 2023-2027
Class: CSE   Semester & Section: 5(A+C)
Subject Name: FLACD   Subject Code: PCC-CS-502
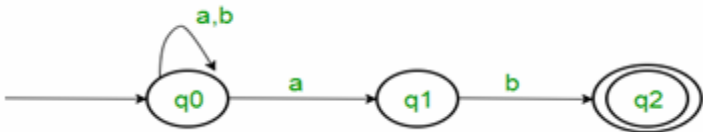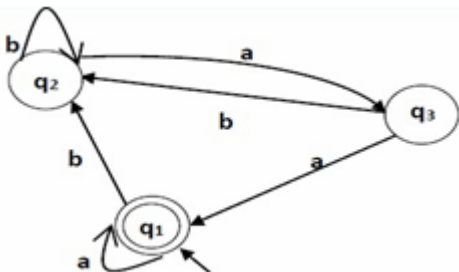Faculty Name: PARUL DHINGRA   No. of Credits: 3
Due Date: 18/8/25   Max. Marks: 20

Guidelines:

1. **All questions are compulsory.**

Sr. No.	Assignment Question	Question Marks	Mapped CO's
1	What is the difference between NFA and DFA?Convert the following NFA to DFA.	05	CO2
2	Explain Chomsky hierarchy in detail.	05	CO1
3	Construct the regular expression for the given DFA using Arden's theorem	05	CO2
4	What is the difference between CFG and CSG?	05	CO2