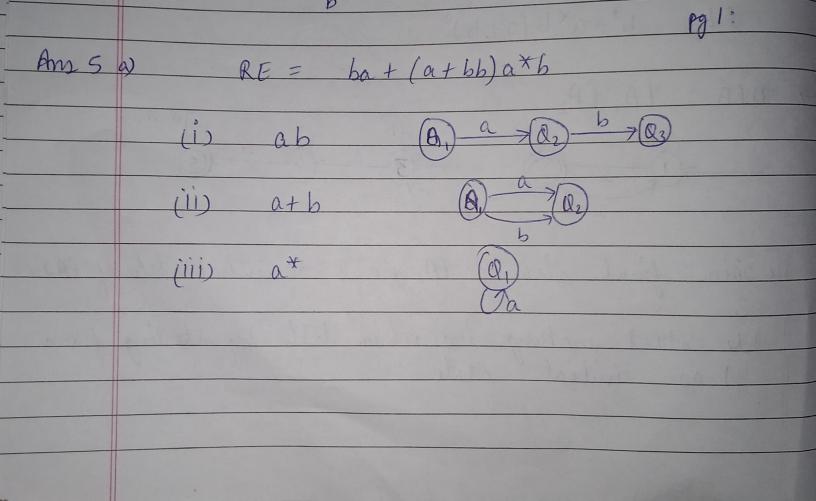
Name: Sradha Kedia Date: 20th December, 2021 Time: 9:00 to 1:00 pm Exam Roll num: 20234757053 Name of the programme: MCA Simister: II Unique paper code: 223401303 Title of the paper? Automata Theory Name of the dept: DUCS Email ID: 200083@ cs. du. ac. in Mobile no : 9899519848 Ouestion no. ; 5 lage no. : 5



Date.

Date making A as initial state and B as final state and removing Do and F, we get OUR NYA JOR RE, is converting NFA to DFA we construct transition table for the NFA JC, EY let {C, E'y = CE

[0, 03] = Zo

[02,03]=21

[0,04]=Z2

(d)

now finding union, (FA, UFA,

Transition table: FA, UFAz

Date Page 5 DFA: mow in (FA, 'UFA2')', we will take above DFA and make all final states, non final and vice versa. =>FA, OFA2