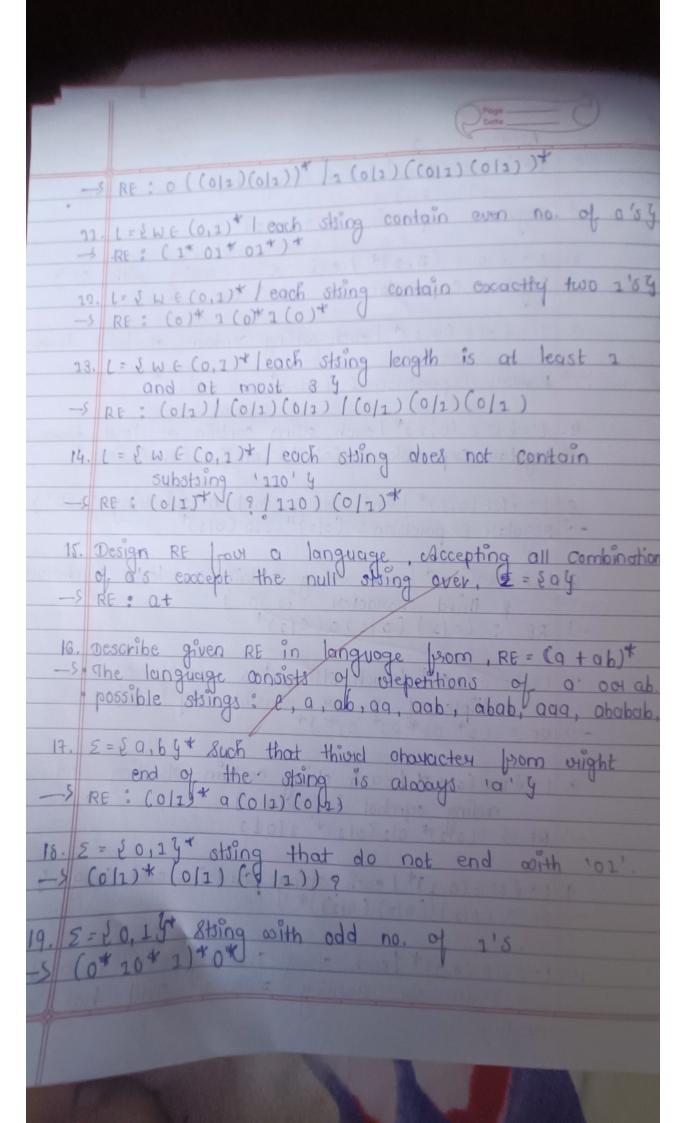
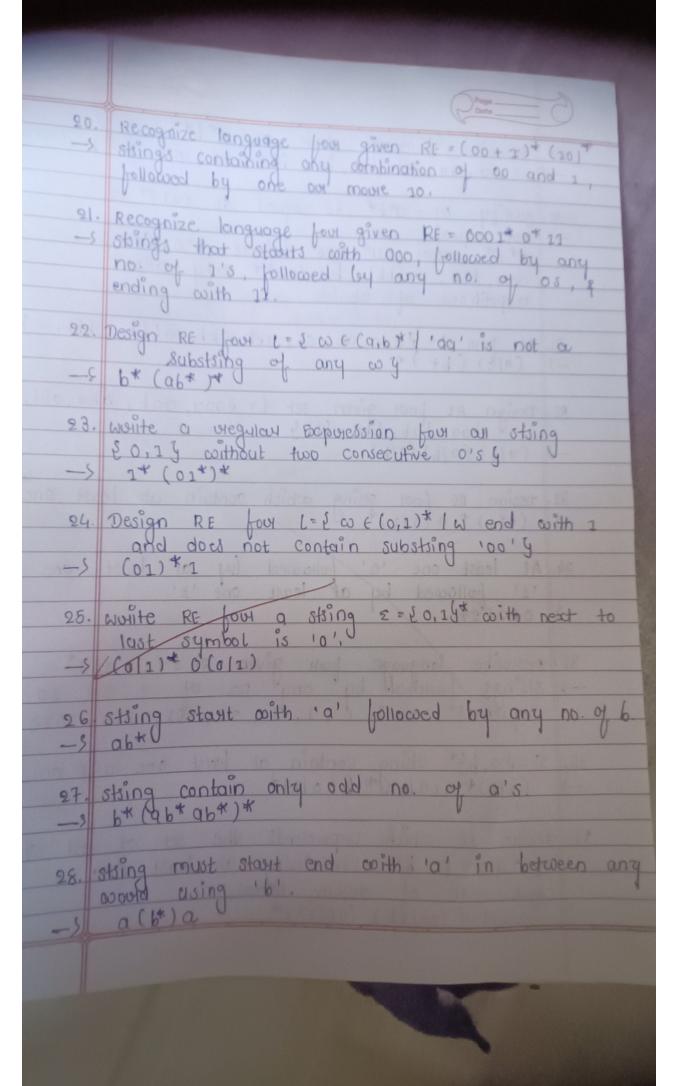
Assignment - 2 9. L= Ewe (0,1) 1 each string begin and ending S Regular Exputession: 2(012) 2 2. L = 5 W = (D, 2) + 1 each string ending with 00 y

Regular Experiession: (012) + 00 3. L= EWE (0,1)* leach string contain at least thoree consecutive 1's y > Regular Expuression :- (0/1) * 172 (0/2) * 4. L= EW = (0,1) + leach string contain at least thorse 19 - Regular Experision : (0/1 1 10/12 1 (0/2 1 (0/2) 5. L= {WE(0,1)* | each string contain substring '110'}
-> Regular Expension: - (0/1)* 110 (0/1)* 6. L=PWF(0,1)* leach string contain at least 3 character

P third character is 0 y

-> RE: (0|1) (0|1) a (0|1) d 7. L= &WE (0/12)* leach string has no. of 0's is -> RE = (14 014 014 014) + 8. L= EWE (0, 2 1 leach string contain stranting and ending symbol is same y -> RE = 8 0(0/17 012 (012) + 21012 9. L= EW (0,1)* / each string contain odd length 9
-> RE = (0/1)((0/1)(0/1))* / 10. L= 2 WF (0,1) + leuch string starting with a and has even lengthy





30. Justify RE orb* is equal to (ab)4 9 at 6th allows all a's before b's Cext--s Not equal aga, bbb, agabb), but (aby+ only allows orepetitions of ab. 31. RE four 1= ¿a,c, ab, cb, abb, cbb, abbb, cbbb, - 4 -> (a/6) (b+)? 32. Design RE Jour given set L= ¿aaa, aab, aba, abb, baa, bab, bba, bbby -5 (a/b) (a/b) (a/b) 33. Design RF for string which contain at least one Tollowed by at least one 34. At least one 'o' at least one '2'. 11' followed -> 0+1+2+ 35 Descuibe language pour given RE = (1+10)*

-s strings pourmed by any no. of 1 on 10 Sequences esu: 6,7,70, 21, 201, 190, 1010 36. E= Sa, byt string contain at least one a pone -s (a/b) + a(a/b) (4 6 (a/b) + 37. Design RE which viepviesents the set of all strong of o's & b's containing at least one combination of double letters.

