Date:/_	<u>/20</u>
Name: Saad Ahmad.	
Saad Ahmad.	
Roll No:	
20P-0051.	
A+2A-A-A-K-(7
Section:	
BSCS-2D	
Question # 1:	
As,	
$\overline{A} = A$	
So,	
$X = \overline{A} \cdot [B + C \cdot (D + E)]$	
I A TO THE WALL X (1
= A - [B+C·(D+E)]	
= A + [B+ C.(D+E)]	
AS, [B+C.(D+E)] already	
has a NOR Gate.	
,	
So,	
A CONTRACT OF THE PROPERTY OF	
C. (D+E) = C. (D+E)	
(- C) - COUNTED TE	· · ·
= Z + (D+E)	

	Date: _/_/20
CLX Ji J ₂ J ₃ K ₁ K ₂ K ₃	(ii)
Φ	Rest Togglo Reset.
	Question #3: The JK Flip Flop is basically a gated RS flip flop with the addition of the clock input circuits; When both the input S and R are equal to logic "1", the invalid condition takes place. Thus, to prevent this invalid condition, a clock circuit is introduced. The

Date: / /20 Jk Flip Flop has four possible input combination because of the addition of the clocked input. The four inputs are "logic 1", logic "o", No change" and "Toggle".