Top	Date
	University of Delhi-Open Book Examination
	University of Delhi-Open Book Examination (Semester Examination)
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•	EXAMINATION ROLL NO.: 20003570032
	COURSE NAME 8 (570) - (CBCS) B. Sc. (Hons.) Computer Science
	SEMESTER: I
	PAPER ID: 32341102
	DATE: 20-03-2021
	TIME: 9:30 am
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-	QUESTION:3
	· · · (0 * 0 · · · ·)
(A)	$X = \begin{pmatrix} B^*C + A \end{pmatrix}$
	Using one address instructions
	LOAD B AC < M[B]
	MUL C AC + M[c] * AC
	$ADD \qquad A \qquad AC \leftarrow AC + M[A]$
	DIV B $AC \leftarrow AC / M[B]$ STORE X $M[X] \leftarrow AC$
	STORE MIXITAL
b)	(i) 01001110010010
	010 011 100 10010
	SELA SELB R4 OPR
	R ₂ R ₃ R ₄ ADD
	R4 R2 + R3 [Micro-instruction]
	The transfer of the transfer o
	(11) 0111000110 (11)
	011 100 011 01011
	SELA SELB SELD OPR
	R3 R4 R3 OR
	R3 - R3 (OR) R4 Micro-instruction)
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(iii)	SELA SEL	B SELD	10100		
c)	Character				
	X 0 0	Y 0 1 0 1	Q(t+1) Q(t) O 1 Q'(t)		
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