School of Computer Science and Engineering

	In Se	emester Assessment - II			
Cou	rse: System Software	USN:	THE REAL PROPERTY.		
Cou	rse Code: 17ECSC302	Semester: V			
Dat	e of Exam: 12-02-2021	Duration: 75 minutes Max. Marks:40			
L	Note: An	nswer any two full questions.			
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Q. No	Questions				
1b	II 2000 LDA EIGHT 2040 EIGHT WORD 8 III 2000 LDA =X'008' 3724 D 2050 LTORG	are the two approaches of performing relocation,	10		
2a Æb	Following lines shows a sequence of symbol defining statements that involve forward references. How are these resolved by a multi-pass assembler? Demonstrate with a separate figure for each line. 1 DOUBLESZ EQU LENGTH * 2 2 LENGTH EQU BUFFEND - BUFFER 3 NEXTBT EQU BUFFER + 1 4 BUFFER RESB 12 5 BUFFEND EQU * BUFFEND EQU * Demonstrate program blocks and control sections with examples.				
3a	Generate the object code and also following program.	write suitable modification records for the 8			

Leveraging Knowledge _____

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0000 0023 0040 0054 0054 0057	REF2 LISTA ENDA REF4 REF5	START EXTDEF EXTREF +LDT EQU EQU WORD WORD	0 LISTA, ENDA LISTB, ENDB, LISTC, ENDC LISTC+8 * LISTA+LISTB-LISTC ENDB-LITSC-4	
Discuss	Discuss the working of ONE-PASS assembler with an example.			

