9	Roll No.	[Total No. of Pages				
2017		4E2017				
	B. Tech. IV Semester (Re Back) Examination -2012 Computer Science					
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4	ibgol ofm	4CS4 System Software Engineering				
imo	2 11.000	Maximum Manha - 9				

Time : 3 Hours

Maximum Marks : 80 * Min. Passing Marks : 24

Instructions to Candidates:

Attempt any five questions selecting one question from each unit. All questions carry equal marks. (Schematic diagrams must be shown wherever necessary. Any data you feel missing suitably be assumed and stated clearly. Units of quantities used/calculated must be stated clearly).

Unit - I

1.	a)	Explain different types of instruction formats.								
	b)	Explain various type of addressing modes with suitable example. OR								
1.	(0	V - 161								
	a)	Describe date allocation structure and data search structure.								
	b)	What is SIC machine? Differentiate SIC and SIC - XE machine.								
	*		Ţ	J nit - II						
2.	a)	Apply pass-1 and pass-2 algorithm of assembler on following source program of SIC machine.								
		SUM	START	4000						
		FIRST	LDX	ZERO						
			LDA	ZERO						
		LOOP	ADD	TABLE,X						
			TIX JLT	COUNT LOOP						
			STA	TOTAL						
			RSUB							
		TABLE	RESW.,	2000						
		COUNT RESW 1								
	-	ZERO	WORI	0 (
		ΤΟΤΑ	I RESW	1						

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