Cor	1. 5	647-09. T.E. (COMP) SemVI	
	17	(3 Hours) [Total Marks: 100	
N.B		Systems Pragramming 2.30 to 5- (1) Question No. 1 is compulsory.	30
		(2) Attempt any four questions out of remaining six questions.	
		(3) Figures to the right indicate full marks.	
		(4) Assume suitable data whenever required but justify the same.	
1.	(a)	Explain with neat flow charts working of single pass assembler, with database used.	10
	(b)	Explain the LR parsers with suitable examples.	10
2.	(a)	What are the features provided by a macro? Explain with example.	10
	(b)	Explain various phases of compiler with suitable example.	10
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3.	(a) (b)	What is binding? Explain static and dynamic binding. Explain the design of two pass assembler with databases used.	10
	(0)	Explain the design of two pass assumer with databases used.	10
4.	(a)	Construct the LALR parsing table for the following grammer:-	10
		$S \rightarrow S$	
		$S \rightarrow CC$ $C \rightarrow cC/d$	
	(b)	Explain the design of Direct Linking Loader.	10
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5.	(a)	Explain with the help of memory, data formats, registers, instruction format,	10
	/h\	addressing modes of traditional CISC machines.	10
	(D)	Explain recursive descent parser with suitable example.	10
6.	(a)	Explain run time storage organization in detail.	10
	(b)	Explain design of absolute loader.	10
7	\//ri	to detailed notes on any two :-	20
7.	VVII	te detailed notes on any two :- (a) Macro assemblers	20
		(b) LEX and YACC	
		(c) Dynamic Loading and Dynamic Linking.	