Con. 1794-06.

(REVISED COURSE)

TV-8490

				(3 Hours) [Total Marks : 100	
	N.	В.:	(1) (2) (3) (4) (5)	Question No. 1 is compulsory. Attempt any four questions out of remaining six questions. Assumptions made should be clearly stated. Figures to the right indicates full marks. Assume suitable data wherever required but justify the same.	
		(a) (b)	Cons	ain the design of Direct linking loader. sider the regular expression (a b)* abb. Construct the NFA for this expression and convert NFA to minimized DFA.	10 10
2	2.	(a)	(a) Explain design of one pass macro prepocessor to handle rested macro calls. What are the different databases needed? Explain.		10
		(b)			
	3.	(a) (b)	(i)	ain Operator precedence parser with suitable example. Discuss various errors detected in each phase of compiler. Write short notes on 'Java compiler' as environment'.	10 5 5
4.		(a) (b)	Write sequence of steps involved in dynamic debugging of program. Write short notes on:		8
		(D)	(i)	Run time storage organization	6
		(a) (b)	(i)	t are different intermediate code form used in compiler ? Explain. Explain the design of Absolute loader. What are usembler directives ? Explain with examples.	8 8 4
	6.	(a) (b)	Diffe (i) (ii)	That late between linkage editor and linking loader. Explain conditional macro expansion with suitable example. What is binding? Explain static and dynamic binding.	8 6 6
7.	7.	(a)	Explain with the help of memory, data formats, registers, instruction formats, addressing modes of traditional CISC machines.		8
		(b)		e short notes on : (i) LEX and YACC. (ii) Recursive descent parser.	12