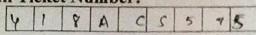
Hall Ticket Number:



III/IV B.Tech (Regular) DEGREE EXAMINATION

July, 2021 Computer Science & Engineering			
Time: Three Hours		Compiler Design Maximum: 50 Marks (10X1 = 10 Marks)	
	r ONE question from each Unit.	COI	
	n) Define Bootstrapping	COI	
	Give an example to eliminate left recursion with rules?	COI	
	What are the drawbacks of Predictive parsing?	CO2	
	What is the classification of LR Parsers?	CO2	
	Define an ambiguous grammar?	CO2	
f		CO3	
8		CO3	
h	1 0 1 1 1 1 1 0	CO4	
i		CO4	
j	What is backpatching?		
	Unit - I		
	A religion to identify reserved words and identifiers?	COI	5M
2. a		COI	5M
b			
	Construct predictive parsing table for the grammar $S \rightarrow A$ $A \rightarrow aB/Ad$ $B \rightarrow b$	BC/f CO1	101
3.	Construct predictive parsing table for the string 'abfcg'		
>-	Construct predictive parsing the string 'abfcg' $C \rightarrow cg \text{and check the acceptance of the string 'abfcg'}$ $Unit - II$		
	Prepare a canonical parsing table for the grammar $S \to CC$ $C \to cC$ $C \to d$	CO2	10
4.	Prepare a canonical parsing table for the grantman (OR)		
	$S \rightarrow AS/b A \rightarrow SA/a$	CO2	10
5.	Construct SLR parsing table for the grammar $S \rightarrow AS/b$ $A \rightarrow SA/a$ Unit – III		
MODEL .	Unit - III	the CO3	
5. a)	Explain three address codes and mention its types. How would you implement		5N
	Explain three address codes and mental suitable examples. three address statements? Explain with suitable examples. (+1)*(a+d)+(a+b+c) into quadruple, triple and indire	ct CO3	
b)	- 1 the expression (2+h)*(C+(1)T(4+b)C) into quantity		51
2)	triple		
		CO3	5]
7 0)	Explain in detail about the issues in the design of a code generator	CO3	
7. a)	Driefly discuss about simple code generation arguments	000	
b)	Unit - I v	CO4	5
	Write about implementation of stack allocation scheme	CO4	
. a)	Write about implementation of states what is an activation record? Discuss its syntax	04	3
b)		001	
	table	CO4	7
	the chair shout the data structures used for symbol tacks		1
. a)	Define symbol table. Explain about the data structures used for symbol table Explain in detail about implementation of Block structured Languages?	CO4	3