	Tetal Decree 42		(a) What is Minimum distance matching 9 Ways
Roll No	Total Pages : 02	4.	(a) What is Minimum distance matching? How to handle shift-reduce errors?
BT-7/D-13	8722		(b) Give quadruples and triples for $a := b * -$
COMPILER DESIGN			c + -b.
IT-455		5.	(a) Which problems affect the design of optimizer?
Time: Three Hours] [Max	imum Marks: 75		(b) Explain with the help of an example the
Note: Attempt any Five questions. All questions carry equal marks.		control flow analysis towards global optimization. http://www.kuonline.in 9	
1. (a) Explain in short lexica	al analysis and	6.	(a) What is run-time storage administration ?Describe some strategies for it. 7
intermediate code generation.	ation phases in 7		(b) Discuss syntactic phase errors and recovery. Explain error recovery during operator-
(b) Describe briefly the term	s token, symbol		precedence parsing. 8
table and grammar.	8		Explain the following in context to code optimization along with suitable examples -
2. (a) What is a Recursive Desce	ent Parser ? Give		folding, code-movement, loop optimization and
an example.	9		meet over paths.
(b) What are ε-transitions and	ε-closures ? 6	8.	Give examples of the following:
3. What are SLR and LALR grammars ? Give			(a) DAG
example of a LALR (1) grammar that is not in			(b) Copy Propagation
SLR.	15	•	(c) Peophole Optimization. 5,5,5
(1-16) L-8722	P.T.O.	L-87	22 2 1,800