

DHARMSINH DESAI UNIVERSITY, NADIAD FACULTY OF TECHNOLOGY

B.TECH. SEMESTER VI [IT]

SUBJECT: (IT608) LANGAUGE TRANSLATOR							
Examination Date Time		:	03/	Exam(Regular) 1/2014	Seat No. Day Max. Marks	:	
		:		_ to			
1. 2. 3. 4.	The sy Assum	s to the mbols use suitab	sed ca le data	ndicate maximum mark rry their usual meaning a, if required & mention wherever necessary.	S.		
Q.1	(a) (b) (c) (d) (e)	x=(t Lexica product In storag Discus compi What	synta b+c) / ll Ana cer-co ty e it is ss ad lation is a "l	x tree/DAG (directed (b/-c) * (b+c) lyzer and Parser showns the summer. Justify the summer of storage allocates possible. [static/stated]	uld be kept as distinct tatement. ation, nested proced ack/queue] acks of having sep p parsing? Explain	=	
Q.2	(a)	Draw S->1A Use th Write for fol	Parse 0 A-> e pars SDD(low in	lowing questions. table for following g >1B1 1S1 0B0 B->2 se table to parse the in (syntax directed define g simple calculator la >E+T E -> E+T E->	2 3 nput string "11210" nition) to generate "s anguage:	yntax tree" form of intermediate code	[6] e [6]
Q.3	(a)	S->Sa	Sb	ving grammar SLR? . c e (<i>if possible to gene</i>	•	a".	[6]

(b) Write short note on-"block structured symbol table organization techniques"

[6]