

## DHARMSINH DESAI UNIVERSITY, NADIAD FACULTY OF TECHNOLOGY

## B.TECH. SEMESTER VI [IT]

SUBJECT: (IT608) LANGAUGE TRANSLATOR Examination :Block Seat No. :								SLATOR		
Date Time	e	IO11	: 26 /	03 /2013 _ to		Day	. Marks	: Mond : 36	lay	
1. 2. 3.	The sy Assum	s to the mbols e suita	e right in used ca ble data	arry their u a, if requi	aximum marks usual meanings red & mention necessary.	8.				
Q.1	<b>Do</b> : (a)	Folfeat (i) (ii) (iii) (iv)	ure, it Gener Atten Impo	g are feat s corresp ate reloompts to it pose a hie charact	ponding pha catable /non mprove inpu crarchical tre ers in source	se. relocata nt code, e struct progra	able machings of efficient ure on toke and gro	ne code of t machin n strean up them	or assembly code. ne code is generated. n. into stream of tokens. antic analyzer,intermediateco	[2]
	<i>a</i> >	gene	rator,co	ode optin	nizer,code ge	nerator.			•	
	(b)	Give	synta		AG (directe -c) /(b/-c) *	•	c graph)	or follo	wing statement.	[2]
	(c)		-	-	_		-	dures no	t possible, but type o	f [2]
	(d)		_	-	le.[static/stac Intermediate	-	_	mes are	given to each computation	n [1]
	(e)		the fo	llowing lefine <s ain() {</s 	tdio.h> int m, x; /*a	nt, ident	ify and list program fo	the lex	emes that make up tokens.  g*\max of two*/numbers*/	[2]
	(f)	ident or rig	ider fo ify wh tht befo	ntf ("ma ollowing ether its ore proce	x is y"); } four items o	of run-tir pefore th	me informat e procedure	tion store	.54; fi(x>m)  ed in a frame. For each item d, during procedure execution	
Q.2	(a)	Ve	Ū	S-	ng grammar >XYa# dicates null		X-> a  Yb ion		Y->^ c	[6]
	(b)			•			_		of expression. Assume there to reals when necessary.	[6]
					is "a+b", a lt would be		e of 'a' is '	integer,	, while type of 'b' is real,	
Q.3	(a) (b)					-	-		n techniques" nization techniques"	[6] [6]