

NATIONAL OPEN UNIVERSITY OF NIGERIA 14-16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS SCHOOL OF SCIENCE & TECHNOLOGY JANUARY/FEBRUARY 2013 EXAMINATION

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Cours	e <i>Code:</i> e <i>Title:</i> e Credit Unit	CIT 73 Programming :3		L /	Time: Marks: 70	2½ hrs	
Instru	iction:	Answer any	five (5) qu	estions. E	ach questio	n carries 1	4 marks
1a.		trol structures ram. (10 mark		and expla	ain how they	are achie	ved in
b.	Define Synta	ax and semar	ntic errors	with exan	nples (4 mar	ks)	
2a.		ole Pascal pro					
b.	the syntax d List five (5) (i) Reser procedures	d identify the liagram of a c examples und ved words adard function	omplete Pa ler each of (ii) s	ascal prog the follow	jram	(4 marks) ries (10	marks)
3a.	Differentiate between Formal parameters and actual parameters. (2 marks)						
b.	examples	in the followi (ii) ReadIn arks)	_			-	ble (vi)
4a. b.	Describe the structure of a Pascal program and discuss each element in the Pascal program structure. ($8\frac{1}{2}$ marks) Is the following Pascal program correct? Yes or No if "yes" write out what the output of the program will be if executed on a computer, if "No" rewrite the correct version of the program ($5\frac{1}{2}$ marks) Program Payroll (input, output)						
	Const rate:: Begin Read(Tax = Netpa Write	ax, net : real; =0.14; gross); rate*gross y:=gross-tax; (tax,net)					
5a. b.	Discuss the (i) Array	ıss what is me following stru (ii) Re		e data wi		5	arks) (10
6a. (i) b.	While-Do	on the follov (ii) Repeat-U al syntax diag	ntil	(iii) Îf-T	hen-Else	(11	marks) iarks)

- 7a. List and explain with the aid of well annotated diagrams the four stages that are necessary for a Pascal program to be executed by a computer. (6 marks)
 - b. List the Pascal operators in their natural order of precedence (highest to lowest) (8 marks)

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