

P.T.O.

5 I	10	ours / 100 M	larks	Seat No				<u> </u>				
		Instructions :	(2) Answe(3) Illustro(4) Figure	estions are con r each next mo ate your answe es to the right e suitable data	ain q ers w indic	uestion ith near ate full	t sketc! ! mark	hes w	_	er nece	essary	<i>7</i> .
											N	Aarks
1.	a)	Attempt any three 1) Define the follo i) Overlays									(3×	4=12) 4
		ii) Subroutine I2) What is operati3) State and expla4) Draw the outputree.	ing system ? E in Binary sear	rch method wit	h exa	mple.			•			4
	b)	Attempt any one : 1) Describe the for 2) Draw flowchar	-		_	cessor.					(1:	×6=6) 6
2.	Att	tempt any two :									(2×	8=16)
	2)	Explain Address ca Explain format of d Explain with flowed	latabases in A	ssembler.	-							8 8 8
3.	Att	tempt any four :									(4×	4=16)
	 1) 2) 3) 	List and explain for Compare shell sort Explain in detail ma	and Radix Ex	xchange sort or	the b	asis of	space	and tir	ne cor	nplexit	ty.	4 4 4
	4)5)	Explain four function Draw the parse tree	on performed	by loader.		own pa	rsing a	ıpproa	ch.			4

	Marks
4. a) Attempt any three:	$(3\times4=12)$
1) Explain "compile and Go" loader scheme.	4
2) Explain any four optimization technique uses by compiler.	4
3) Discuss memory allocation scheme used in compiler.	4
4) Explain predictive parsing with example.	4
b) Attempt any one:	(1×6=6)
1) Explain four basic task of macroprocessor.	6
2) Explain following parsing technique in detail.	6
i) Top-down parsing	
ii) Bottom up parsing.	
5. Attempt any two:	(2×8=16)
1) Explain design of direct linking loader.	8
2) Draw and explain phases of compiler in detail.	8
3) Explain general design procedure of Assembler.	8
6. Attempt any four:	(4×4=16)
1) Explain implementation of Macro call within Macro.	4
2) Sort the following element in descending order using Bucket sort.	4
45, 21, 12, 36, 97	
3) Explain in detail absolute loader.	4
4) List and give syntax of database table use in lexical analysis phase of compiler.	4
5) Explain the format of databases of loader.	4