

17517

8 Hours / 100 M	arks	Seat No.								
Instructions :	 (2) Answe (3) Assun (4) Mobil 	estions are com er each next man ne suitable data, e Phone, Pager es are not permis	in que if nec and a	estion cessar ny oth	y . her El	ectron	ic Co	nmun		
									N	Aarks
1. a) Attempt any three:										12
1) Define:										
a) Allocation										
b) Relocation										
c) Linking										
d) Loading.										
2) Explain the four	•		ıg.							
3) Compare the bit4) Exclaim compare the bit	•			ط معدمه	1					
4) Explain syntax	phase of con	npiler with databa	ase an	a exar	npie.					
b) Attempt any one :		0			6.1					6
1) List componen	•	-	lain ar	iy two	of the	em.				
2) Explain workin	ig of macro-	processor.								
2. Attempt any two:										16
1) Draw flow-chart for	or Pass-I asse	mbler.								
2) Explain following se	ort:									
a) Inter-change so	ort.									
b) Address calcula	ation sort.									
3) Draw block diagram	m of phases of	of compiler.								
3. Attempt any four :										16
1) What is system sof	tware ? List t	hree types of svs	tem p	rograi	n.					
2) How to improve the		••••••	I.	0						
2, now to improve the										

		Marks		
	3) State four function of compiler.			
	4) Write function of ESD, RLD, TXT and END.			
	5) Explain concept of top-down parser.			
4.	a) Attempt any three :	12		
	1) State and explain need of GEST and LESA.			
	2) Explain storage allocation concept in compiler.			
	3) Describe lexical phase of compiler.			
	4) Explain concept of bottom-up parser.			
	b) Attempt any one:	6		
	1) Define macro and explain conditional macro expansion.			
	2) Compare advantages and disadvantages of top-up and bottom-up parser.			
5.	Attempt any two:	16		
	1) Explain following term in detail:			
	a) Compile and go loader			
	b) Absolute loader.			
	2) Explain simple machine independent optimization algorithm with an example.			
	3) Apply radix sort for following example :			
	227, 125, 02, 940, 1207, 748, 1520.			
6.	Attempt any four :	16		
	1) State and explain four basic task of Macro processor.			
	2) Explain data structure of Pass-I assembler.			
	3) What are the advantages and disadvantages of BSS loader?			

- 4) Explain intermediate code generation in compiler.
- 5) Explain overlay structure used in dynamic loading scheme.

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