			GSE/D	-21		807	
		COM	IPUTER	SCIE	NCE		
Paper I							
	Con	nputer and	Progran	nming	Fundame	entals	
Time : Three Hours] [Maximum Marks : 40							
Not	e: .	Attempt Five	questions	in all, s	electing on	e question	
	į	from each	Unit in	additi	on to c	ompulsory	
	(Q. No. 1. All	questions	carry eq	ual marks.		
Compulsory Question							
1.	(a)	What are t	he applicati	ions of o	computers i	n different	
		fields?				2	
	(b)	Write a sho	ort note on	various	types of s	software. 2	
	(c)	Discuss err	ors and de	bugging		2	
	(d)	Write vario	us types o	f sorting	g technique	s. What is	
		their comm	on purpos	e ?		2	
Unit I							
2.	Defi	ine Comput	er. Explai	n vario	ous compo	onents of	
	computers along with a suitable diagram and compare its						
		tioning with	human be	ing.		8	
(2)L-807 1							

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Roll No.

Unit II						
4.	Define operating system. Write any <i>four</i> examples of operating system software. Explain various functions of operating system.					
5.	Explain multiprogramming, timesharing and multiprocessing operating system. Give examples. 8					
Unit III						
6.	Define algorithm. How does it differ from flowchart ? Explain with example.					
7.	Explain the concept of structured programming and programming methodologies by taking suitable examples.					
Unit IV						
8.	Differentiate between linear searching and binary searching. Explain with example. 8					
9.	Elaborate on the following: 8					
	(i) Compiler versus Assembler					
	(ii) High Level language versus Low Level language.					
(2)I						

Define secondary memory. How does it differ from primary

memory? Explain any two secondary storage devices?

8

3.