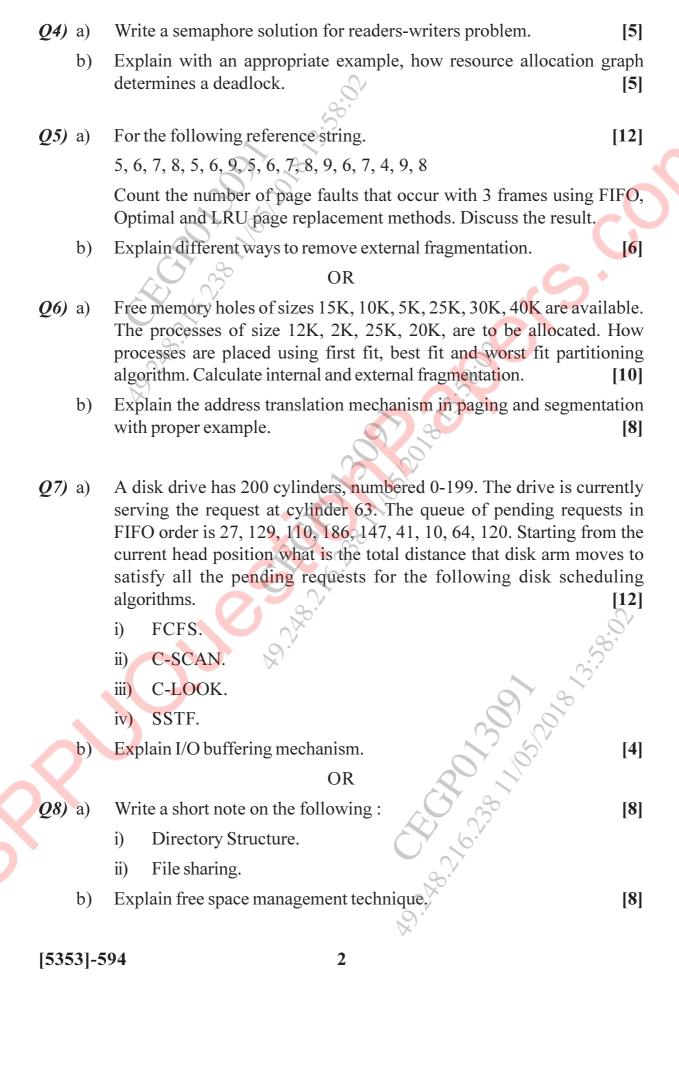
Total No. of Questions: 10]			SEAT No.:		
P3391				No. of Pages : 3	
			[5353] 594		
		T.E. (Information	ation Technology) (Semester -	· I)	
			PERATING SYSTEM		
		0	(2015 Pattern)		
	_ 1				
Time	e: 2-	Hours]	[M	Tax. Marks: 70	
Insti	ructio	ns to the candidates		Co	
	1) 2)		, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8, Q.9 or ast be drawn wherever necessary.	<sup>r</sup> Q.10.	
	<i>3)</i>		nt indicate full marks.	recessury.	
	4)	Assume suitable de	ata, if necessary.		
		8.			
<b>Q</b> 1)	a)	Explain the signif	icance of following shell commands	[5]	
2-)	u)	i) in		[6]	
		ii) wc			
		iii) umask			
		iv) cut	60		
		v) grep			
	b)	, 5 1	types of schedulers in operating system.	. [5]	
	0)	Explain different	OR		
Q2)	a)	Draw and explain process state diagram. [5]			
22)	b)			[5]	
		i) pthread crea			
		ii) pthread join()			
		n) puncad_join	0, 10,		
			(5) 29		
<b>Q</b> 3)	a)	Enlist and explain different IPC mechanisms. [5]			
	b)	Explain monitors in brief. [5]			
			OR S		



**Q9)** a) Explain in detail Linux Booting process.

[8]

b) List and explain different inter-process communication mechanisms in Linux operating system. [8]

OR

Q10) Write short note on following:

[16]

- a) Memory management in Linux.
- b) Linux file system.
- c) Linux IPC mechanisms.
- d) Process management in Linux.



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