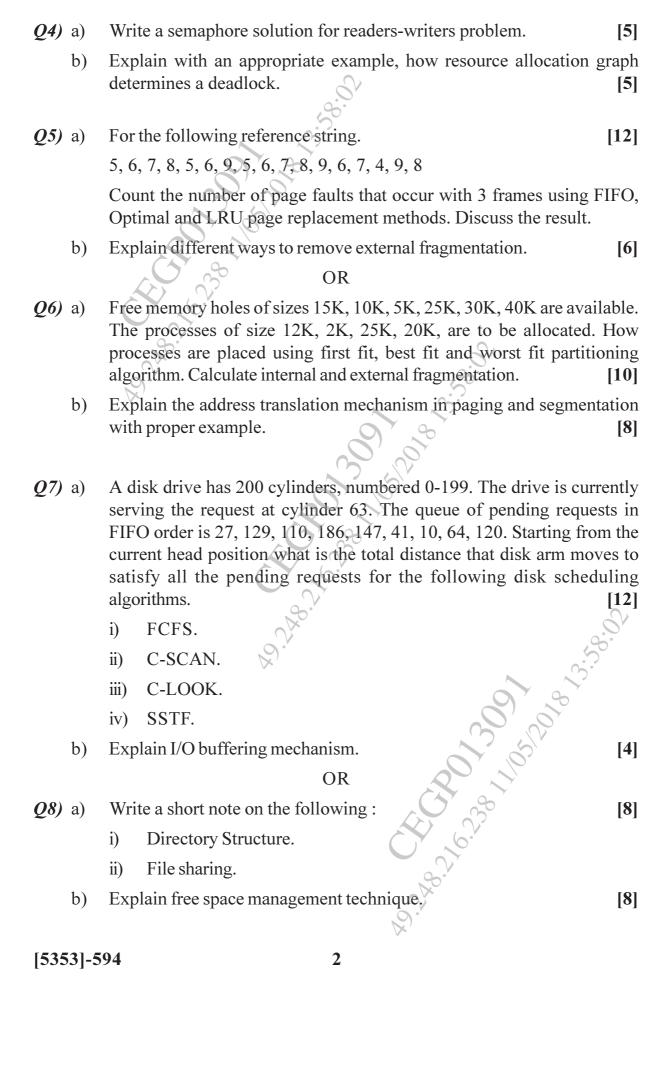
Total No.	of Questions: 10]	SEAT No.:	
P3391		[Total	No. of Pages : 3
	[5353] 594		
	T.E. (Information Technology)	(Semester -	· I)
OPERATING SYSTEM			
	(2015 Pattern	1)	
1		,	
Time: $2\frac{1}{2}$	Hours]	[M	Tax. Marks: 70
Instructio	ons to the candidates:		
1)	Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6,		r Q.10.
2) 3)	Neat diagrams must be drawn wherever ne Figures to the right indicate full marks.	ecessary.	
4)	Assume suitable data, if necessary.	8	
	9.7	26.	
01)			[2]
Q1) a)	Explain the significance of following shel	ll commands	[5]
	i) in	5	
	ii) wc		
	iii) umask		
	iv) cut		
	v) grep		
b)	Explain different types of schedulers in operating system. [5]		
	OR		9.0
Q2) a)	Draw and explain process state diagram.		[5]
b)	Explain the following functions with reference to 'C' [5]		
	i) pthread_create()	00	0
	<pre>ii) pthread_join()</pre>		
		R	
(O2) -)	E-1:-4 11: 1:ff 4 IDC 1	0,00	(5)
Q3) a)	Enlist and explain different IPC mechanis	sms.	[5]
b)	Explain monitors in brief.		[5]
	OR	No.	



Q9) a) Explain in detail Linux Booting process.

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

Q10) Write short note on following:

[16]

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

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