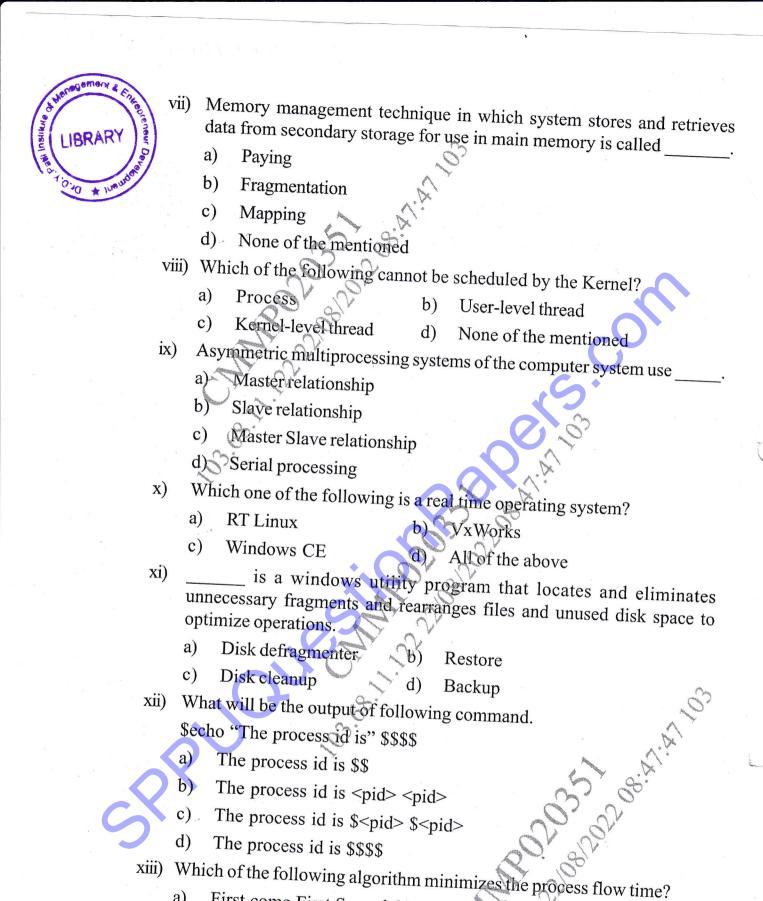
Total No.	of Que	estions : 5]		SEAT No.:								
P6981		[5865] 5	Gn4	[Total	No. of Pages							
		M.C.A. (Man		ient)	88,4							
IT 14: OPERATING SYSTEM CONCEPTS												
(2020 Pattern) (Semester - I)												
Time: 2½ Hours] [Max. Marks: 50												
Instructio	ns to t	the candidates:		12.	12000							
		uestions are compulsory. neat diagrams wherever necessa	rv.		.0)							
- <b>,</b>	2	A Property necessary	, y.									
	<u> </u>			.6.								
01) Atta		the fillowing Multiple Cha	iaa Os	C. C. C.								
		the following Multiple Chochology	ice Qi	uestions. Select of	ne best option $[20 \times \frac{1}{2} = 10]$							
i)		fetches the instruction from	memo	ry according to the								
* * *	a)	Program status word	b)	Status register								
	c)	Instruction register	(d)	Program counter								
ii)	Whi	ch one of the following is as	ynchr	( ) ) -								
	a)	Thread	(b)	Pipe								
	c)	Semaphore	(d)	Socket								
iii)	A sir	ngle machine instruction can	contro	ol the simultaneous	execution of a							
	num	ber of processes on	<u> </u>									
	a)	Lockstep Basis	b)	Openstep Basis								
	c)	Early Basis	d)	Deadlock Basis								
iv)	For 1	real time operating systems,	interu	pt latency should l	эе <u></u> .							
	a)	Minimal	b)	Maximum	Go.							
C	c)	Zero	d)	Dependent on the	schedule.							
v)		ch of the following is not an	operat		<b>)</b>							
	a)	Windows	b)	Linux								
	c)	Oracle	d)	Dos								
vi)		shell script is	<i>_</i>									
	5 9	File containing a series of co	****	nds								
		File containing special symb	ols	Co.								
	c) .	Group of commands	ď									
	d)	Group of Functions	A No.	50x2								



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a)

a)

d)

b)

d)

Shortest Job First

Longest Job First

Cache and hard disk

All of the above

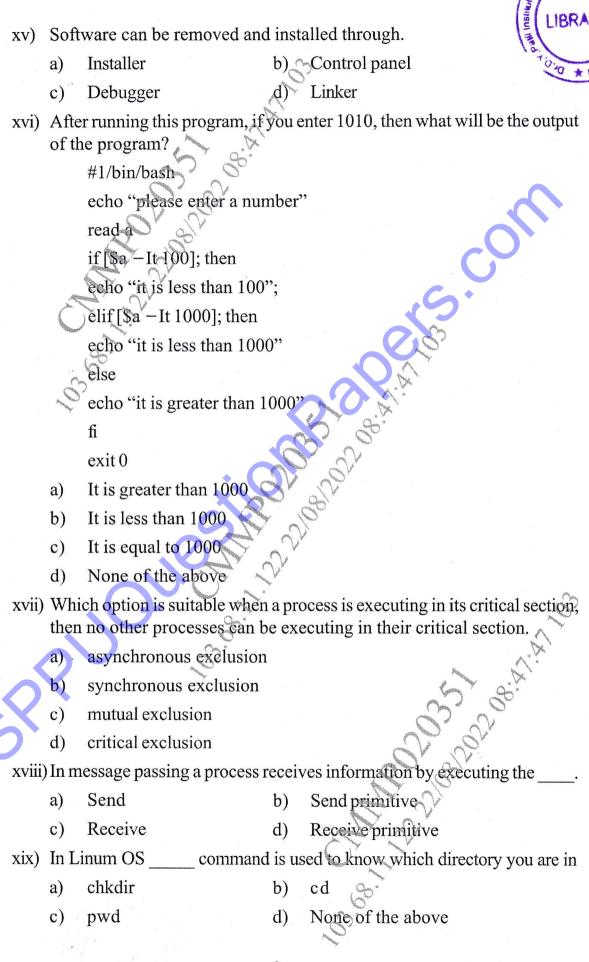
First come First Served b)

xiv) Virtual memory in memory hierarchy consists of

Earliest Deadline First

RAM and hard disk

Cache and RAM



XX	() Wh	ich comma	and is used	l to remo	ve the fi	les.		
	a)	delete		b)_	o√rm			
	c)	dm		d)	erase			
				1.7				
<b>Q2)</b> a)	Wha	at is opera	ting systen	2? Explai	in charac	eteristics o	of OS	[6]
b)	Exp	lain PCB i	n brief. 🤇	20 -			, 00.	[4]
	9.6 6		9.00	O				<b>(</b> )
a)	Exp	lain logica	l and physi	ical mem	ory conv	ersion.		[6]
b)	Writ	e a short n	ote of syn	chroniza	tion.		C	[4]
<b>Q3</b> ) a)	Wha	t is deadlo	ock? Expla	in how d	eadlock	can be av	oided	[6]
b)	Desc	ribe types	of multip	rocessor	S.		<b>&gt;</b>	[4]
		(%).		OI			)	ניין
a)	Expl	ain any tw	o CPU sch	eduling a	algorithn	1s . 🔊		[6]
b)	Wha	t is Mobile	e operating	system?	Explain	types of	Mobile OS	. [4]
0.0						20		
Q4) a)			onents of					[6]
b)	Expl	ain any 2 f	eatures of	windows	operatii	ng system	control par	nel. [4]
a)	Expl	ain annlica	tions of R	Ok				
b)	Desc	ribe any 4	command	c of Time	etail.			[6]
,		aro curry 1	Comment	s Of Lyllu	Х.			[4]
<b>Q5</b> ) a)	Write	a shell sc	ript for rev	erse orde	er numbe	ar		
b)	Write	a short no	te on Kerr	nel.	z Hallo			<b>[6]</b>
	O'			OR				[4]
a)	Expla	in loops in	Linux she	ll scriptii	ng with e	xamples.	C.S.	[6]
(b)	Write	a shell scr	ipt to print	the cont	ents of tl	ne followi	ng file	[4]
	File n	ame: 'myf	ile.txt'					[.]
		my text fil				Q).	30	
	Ubuni	tu is Linux	operating	system				
		he editor in						
	1 Knov	v Linux op	erating sys	stem				
				<b>^</b>	1	*		
			V	V V	AM	d Managemen	V & E	
					2/	3	The Park	
[5865] - 1	104			4		E LIBRA	XX ) ₹	