No. of Printed Pages : 4	
)831/170831/120831 /30831
3rd Sem. / Comput	er Engg.
Subject : Operating	Systems
Time: 3 Hrs.	M.M.: 100
Note: Multiple choice questions compulsory Q.1 DOS stand for a) Disk Operating System b) Disk Operating Signal c) Disk Orientation System d) Disk Orientational Signal Q.2 Which command is used to DOS? a) Del*.* b) c) RD d) Q.3 Which one of the following is by CPU? a) Physical address b) Absolute address c) Logical address d) None of the mentioned Q.4 Run time mapping from virtuis done by a) Memory management b) CPU c) PCI	al make the directory in MD Erase the address generated
d) None of the mentioned (1) 180	0831/170831/120831
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0 -		
Q.5	In Unix, Which system call creates the ne	Note: Objective type questions. All questions are 10x1=10
	process?	type questions. All questions 10x1=10
	a) fork	Note: Objective type 4
	b) Create	compulsory.
	c) new	Q.11 What is operating system
	a) None of the mentioned	0 12 Define Got
Q.6	Memory monogens - ()	Q.11 What is operations of Q.12 Define GUI Q.13 What is the difference between process and Q.13 What is the difference between process and
	stores and retrieves data from sea which system	programs?
	stores and retrieves data from secondary storage for use in main memory is called?	
4	a) Fragmentation	O 45 What is Process Control 2.5
	b) Paging —	
	c) Mapping	0 17 What is fragine mailer
	d) None of the mentioned	0 18 What is life:
Q.7	A Set of process is in dood!	0.40 What is spooling!
**	a) each process is blocked and will remain so	a an What is the lillerence as
7	forever forever and will remain so	and external commanded C
	b) each process is terminated	SECTION-C Attempt any twelve
	o) all plucess are trying to kill and the	Note: Short answer type questions. Attempt any twelve
Q.8		questions out of inteering 12x5=60
A STATE OF	The processes that are residing in main memory and are ready and waiting to average	Q.21 What is interrupt? How it is handled by OS
	and are ready and waiting to execute are kept on	Q.21 What is interrupt? How it is mandied by a cheduler (CPU scheduler) Q.22 What is Short-term scheduler (CPU scheduler)
	a) job queue b) ready queue	describes with diagram Chartest Job first (SJF)
	c) execution queue d) ready queue	
Q.9	Theswaps processes in and out of the memory.	scheduling and Shortest Hornson
	memory.	
	a) Memory manager b) CPU	Q.24 Define process. Draw the process life cycle &
Q.10	/ Oligination 4/ II-	explain in briefly. CPU scheduling? How it is
	into the main memory from the approximation is copied	i'll mt trom Night Pippiliblive of o oct.
	according to the requirement	o oo E blain doodlock detection & recovery.
A Start of	a) Paging	O 27 Write a short note on device controller.
	c) Segmentation d) Demand paging d) Swapping	Q.28 Define Memory mapped I/O
		(3) 180831/170831/120831
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	. /30831	

Q.29 What are the difference between Real Time System and Timesharing System.

Q.30 What is Unix? Write down any four features of

UNIX.

Q.31 What are the different accessing methods of a file?

Q.32 What are the operations that can be performed on a directory?

Q.33 Explain time slicing. How its duration affects the

overall working of the system.

Q.34 What is segmentation?

Q.35 Explain the DMA

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. 2x10=20

Q.36 What is operating System? Explain in details the different services provided by the Operating

System.

Q.37 What is process scheduling & process scheduler? Differentiate between Long term scheduler Short-term scheduler & Mid-term scheduler with diagram. Also discuss the job queue, Ready Queue & Device Queue.

Q.38 What is Fragmentation? Differentiate between External & Internal fragmentation with example.

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3rd Sem. / Comp, IT, GE Subject: Operating systems

Time	: 3 H	rs.		M	.M. : 100
		SI	ECTION-A		e Di
Note:	Mult	tiple choice oulsory		(1	0x1=10)
Q.1	Whic	ch of the follow		Course Outc	THE RESERVE OF THE PARTY OF THE
	a)	Oracle	b)	Unix	· (CO-1)
	c)	MS-acess	d)	Foxpro	Salari
Q.2	How	many states of	a process are	there?	(CO-2)
	a)	6	b)	4	
	c) ·	2	d)	Unlimited	
Q.3	Whic	h of the follow	ing is not a sch	neduling algo	rithm.
	a)	First come fi	rst serve		(CO-3)
	b) .	Round robin			
h	c)	Shortest rem	aining time ne	ext	,
	d)	Bakers algor	ithm Andrews		
Q.4	A pr	ocess said to b nevent that wil	e in l never occur.	state if it wa	(CO-5)
wy of	a) c)	Safe Starvation	d)	Unsafe Dead lock	/170831/
	14 14		(1)		1/030831

Q.5 Which one of the following is the address at the control of the following is the address at the control of the following is the address at the control of the following is the address at the control of the following is the address at the control of the following is the address at the control of the following is the address at the control of the following is the address at the control of the following is the address at the control of the following is the address at the control of the following is the address at the control of the following is the address at the control of the following is the address at the control of the following is the address at the control of the following is the address at the control of the following is the address at the control of the following is the address at the control of the following is the control of the following	The state of the s	a Charles		organ or terminal
Q.5 Which one of the following is a	3	1 : 0 111	sed to clear the s	(CO-9)
\1880 CPU?	generated by 10 Whic	h command is u.	New 10 91	man 2
Physical address b) Absolute	(CO-6) in lin	ux?	b) Cho	own
Absolute	1 (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	Cheh	Cle	211
Logical address d) None of the	4/	Clear		
Q.6 Memory management technique in which sy and retrieves data from secondary	Astem store	SE SE	CTION-D	s are compulsory.
Q.6 Memory management technique in which sy and retrieves data from secondary storage main memory is called:	for the second s	ective type quest	ions. All question	(10x1=10)
main memory is called:	(CO-6) Note: Obj		Ta biti wisun	ng system (True/ (CO-1) (CO-2)
riagmentation b) Paging	(000)	w is purely sir	igle user operati	(CO-1)
Mapping d) None of	he above Q.11 LID	se).	音 刻形式 1	(CO-2)
Which scheduling algorithm allocates the c		t ctale	SUIPIO	(CO-2)
and request the CPU first?	(CO-2) Q.12 Na	ame any two state	ut devices.	(CO-2)
a) First-come, first-served scheduling	Q.13 Na	process have	states.	is to identify
b) Shortest: job scheduling.		La HITCH SILLY		ery is to identify (CO-5)
c) . Priority Scheduling	Q.15	process.	. S.	electing free area of (CO-6)
d) None of the mentioned	0.16 7	Worst fit algorithm	n is the best for se	(CO-6)
Q.8 In priority scheduling algorithm:		nemory for parties		(CO-7)
a) CPU is allocated to the process.	0.17	CMOS stands for.		(CO-7)
priority is a roll of the process with the	0.18	Printer is a	device.	(CO-7)
b) CPU is allocated to the process wi	th lowest 0.19	Printer produces	copy.	er operating system. (CO-9)
indulations.	20 000	is an exa	imple of marcines	(CO-9)
Equal priority process can not be sched	uled		SECTION-C	far are were
d) None of the above during the state of the stat	(F-(Y)	y ·	SECTION C	Attempt any twelve
Q.9 Who developed linux software?	(00-0)	Short answer t	fifteen questions.	
a) Dennis M. Ritchie b) Linus torva		What do you und	derstand by system	call. (CO-1)
c) Bjarne stroustrup d) Grace Murr	ay Hopper 0 22	Explain benefits	s of virtual machin	e. (CO-1)
a sol print (p noting inst	()			180831/170831/
) Carrie raining		780831/1708	(3)	120831/030831
12083	1/030831	120831/030		

	가지막다 하는 그리아들, 나와 지시하다 나는 그림이 해가 어려워 되려서 얼마 그 그리다는 반에를 되었다. 그 그래?	
	What is process control block.	(CO-2)
Q.23	Give name of condition for deadlock	to occur.
Q.24	Give name of condition	(CO-5)
	bysical address.	(CO-6)
Q.25	What is a physical address.	(CO-6)
Q.26	What are the advantages of partitioning.	(CO-6)
Q.27	Write short note on paging.	(CO-7)
0.28	What do you understand by virtual memory.	(CO-7)
0.29	What are shared devices.	
0.30	What do you mean by buffering.	(CO-7)
Q.30,	Explain types and use of scanner.	(CO-7)
Q.31	1 . 11 £lo system	(CO-7)
		(CO-9)
Q.33	Explain C shell in linux.	(CO-9)
	What is the purpose of grep command.	(CO-7)
Q.35	What is a light pen.	
	SECTION-D	rue out of
THE PERSON NAMED IN	three anesmous.	
Q.36	What are deadlocks? How deadlocks can be	e avoided. (CO-5)
0.37	Explain the file structure of linux.	(CO-8)
0.39	Define the term operating system and expla	in various
Q.30	types of operating systems.	(CO-1)
Act, Co.	The same of the second	anu -

(3640)

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