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	SHBI MADHWA VADIRAIA I	NSTITUTE OF TECHNOLOGY & MANA	GEMENT, BANT	AKAL			
Depa	artment: Computer Science and Engineering	Quiz-1	Academi	c Year:	2022	2-23	
	Class: 4th Semester CSE	Course: Operating Systems	Course	Code: 2	21CS4	14	
	Date: 04-09-2023		Max	Marks	: 10		
Matai	Submit the Quiz on or before 7.15 Pl	M on 04-09-2023					
Note.	Submit the Quiz on or before 7.13 1	7 07 07 05 2020			BL	СО	TLO
Q. No.		Question		Marks	*	*	*
	A Company of the Comp	PART A					
1	Which of the following is a single-to-MAC Windows Ms-Dos None of these	user operating system?		1	L2	1	1.1
2	Which of the following is not applic WordPad Windows 7 Photoshop MS-excel		<i>A</i>	1	L2	1	1.1
3	Which system call can be used by Wait() exit() fork() get()	a parent process to create a child pr	ocess?	1	L2	1	1.2
4	A Process Control Block(PCB) doc Code Stack Bootstrap program	es not contain which of the following?	?	1	L2	1	1.3
5	The state of a process is defined by the final activity of the process. The activity just executed by the process. The activity to next be executed by The current activity of the process.	rocess the process		1	L2	1	1.3
6	What is the objective of multiprograms at all-time Have multiple programs waiting in To increase CPU utilization None of the mentioned	a queue ready to run		1	L2	1	1.1
7	In a time-sharing operating system completed, the process goes from Blocked state Ready state Suspended state	n, when the time slot given to a proce the running state to the	ess is	1	L2	1	1.3
8	Terminated state Which of the following statement is Context switch times are highly de Context switch time is pure overhed context switch does state save an All the above	pendent on hardware support ead		1	L2	1	1.3
9	Suppose that a process is in "Block service is completed, it goes to the Running state Ready state Suspended state	cked" state waiting for some I/O servi e	ce. When the	1	L2	1	1.3

						alle (gr
10	enables users to run programs that are larger than actual physical memory.			-3		1
	secondary memory	17 70				12
	primary memory virtual memory					
	cache	1	L2	1	1.1	

BL* = Bloom's Taxonomy

CO* = Course Outcome

TLO* = Topic Level Outcome

Signature of Faculty 1

Signature of Faculty 2

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Dep	SHRI MADHWA VADIRAJA II artment: Computer Science and Engineering	NSTITUTE OF TECHNOLOGY & MANAGEMENT, BAN Quiz-2 Academ		2022	2-23	
	Class: 4th Semester CSE	Course: Operating Systems Course	e Code: 2	21CS	44	
	Date: 17-09-2023		k. Marks	: 10		
Note:	Submit the Quiz on or before 7.15 PM	M on 17-09-2023				
Q. No.		Question	Marks	BL *	CO *	TLO *
		PARTA				
2	What is an operating system? Collection of programs that manage System service provider to the appl Interface between the hardware and All of the mentioned What is the main function of the co	ication programs d application programs mmand interpreter?	1	L2	1	1.1
	To get and execute the next user. To provide the interface between the To handle the files in operating system. None of the mentioned	he API and application program stem	1	L2	1	1.2
3	Which of the following does not into A device Timer Scheduler process Power failure	errupt a running process?	1	L2	1	1.3
4		ready queue will almost always be and the to do.	1	L2	2	2.2
5	execution environments. Time sharing systems Multiprocessor systems Multiprogramming systems None of the above	re of a single computer into several different	1	L2	1	1.2
6	enables users to run programs secondary memory primary memory virtual memory cache	s that are larger than actual physical memory.	1	L2	1	1.1
7	To access the services of operating System calls Command Interpreter Library Assembly instructions	g system, the interface is provided by the.	1	L2	1	1,2
8	The long term scheduler controls the CPU Memory Degree of multiprogramming CPU bound processes	ne	1	L2	2	2.2
9	Executable file is an Passive entity	Principal	-	No fine		No. 2 Eur

Active entity

Principal

1	None of the above	+		-	
	Which one of the following is not true? kernel is the program that constitutes the central core of the operating system kernel is the first part of operating system to load into memory during booting kernel is made of various modules which can not be loaded in running operating system kernel remains in the memory during the entire computer session	1	L2	1	1.1

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USN SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY & MANAGEMENT, BANTAKAL Department: Computer Science and Assignment-II Academic Year: 2022-23 Engineering Class: IV sem A & B Course: Operating Systems Course Code: 21CS44 Date: 04-09-2023 Max. Marks: 50 Note: Write the answers for all the questions. Q. No. Question Marks PI* BL* CO* With a neat diagram, explain the components of the LINUX system. 10 5.1.1 L2 CO5 Explain different IPC mechanisms available in LINUX. 2. 5.1.1 CO5 12 10 Describe the different LINUX kernel modules. 3. 5.1.1 CO5 10

cylinders) that the disk arm moves to satisfy all the pending requests for
each of the following disk-scheduling algorithms?
a. FCFS b. SSTF c. SCAN d. LOOK e. C-LOOK

Suppose that a disk drive has 5,000 cylinders, numbered 0 to 4999. The drive is currently serving a request at cylinder 143, and the previous request was at cylinder 125. The queue of pending requests, in FIFO order,

Starting from the current head position, what is the total distance (in

CO* Course Outcome; PI- Performance Indicator

Prepared By (Name & signature with date):

Explain Access Matrix with example.

86,1470,913,1774,948,1509,1022,1750,130

Mrs.Savitha Shenoy

BL* Bloom's Taxonomy Level;

4.

5.

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5.1.1

2.2.4

12

L3

10

10

CO5

CO5

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