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3		Monday, 6 November 2023, 11:04 AM
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		Monday, 6 November 2023, 11:25 AM
- 11		21 mins 19 secs
		25.00/26.00
	Grade	9.62 out of 10.00 (96 %)
Question 1 Complete		
Mark 1.00 ou	ıt of 1.00	
Which o	f the follow	ing is not a condition for deadlock avoidance?
		bove are conditions for deadlock avoidance.
О В.	The resour	ces must be organized in a hierarchical manner.
O C.	A process i	nust declare all the resources it will need before it starts running.
O D.	The system	must know in advance the maximum number of resources that any process may need.
Question 2 Complete		
Mark 1.00 ou	ıt of 1.00	
What is	the primar	y disadvantage of the FIFO allocation algorithm?
	the primar	
O A.	It is not eff	
○ A.○ B.	It is not eff	icient
A.B.C.	It is not eff It does not It may resu	support multiple resources
A.B.C.D.	It is not eff It does not It may resu	support multiple resources It in deadlock
A.B.C.D.	It is not eff It does not It may resu	support multiple resources It in deadlock
A. B. C. D.	It is not eff It does not It may resu It is difficul	support multiple resources It in deadlock
A.B.C.D.	It is not eff It does not It may resu It is difficul	support multiple resources It in deadlock
A. B. C. D.	It is not eff It does not It may resu It is difficul	support multiple resources It in deadlock
A. B. C. D. Question 3 Complete Mark 0.00 ou	It is not eff It does not It may resu It is difficul at of 1.00	support multiple resources It in deadlock t to implement
A. B. C. D. Question 3 Complete Mark 0.00 ou Which o	It is not eff It does not It may resu It is difficul at of 1.00	icient support multiple resources It in deadlock t to implement ing is a drawback of using the deadlock recovery algorithm?
A. B. C. D. Question 3 Complete Mark 0.00 ou Which or A. B.	It is not eff It does not It may resu It is difficul It of 1.00 It of 1.00 It cannot p It is slow	icient support multiple resources It in deadlock t to implement ing is a drawback of using the deadlock recovery algorithm?

Question 4	
Complete	
Mark 1.00 ou	ut of 1.00
What is	the purpose of the Banker's algorithm?
A.	To reduce the waiting time of processes
	To improve CPU utilization
O C.	To allocate resources efficiently
D.	To prevent deadlock
Question 5	
Complete Mark 1.00 ou	
WIGHT 1.00 O	ut 01 1.00
	of the following conditions must hold for a deadlock to occur? All of the above
A.B.	All of the above Mutual exclusion
A.B.C.	All of the above
A.B.C.	All of the above Mutual exclusion No preemption Hold and wait
A.B.C.D. Question 6 Complete Mark 1.00 or	All of the above Mutual exclusion No preemption Hold and wait
A. B. C. D. Question 6 Complete Mark 1.00 on	All of the above Mutual exclusion No preemption Hold and wait
A. B. C. D. Question 6 Complete Mark 1.00 or Which o	All of the above Mutual exclusion No preemption Hold and wait ut of 1.00 of the following algorithms is used to recover from deadlocks in operating systems?
A. B. C. D. Question 6 Complete Mark 1.00 or Which o A. B.	All of the above Mutual exclusion No preemption Hold and wait of the following algorithms is used to recover from deadlocks in operating systems? FIFO algorithm

Question 7	
Complete	
Mark 1.00 ou	ut of 1.00
What is	the purpose of the wait-for graph algorithm?
A.	To detect deadlocks
О В.	To prevent deadlocks
○ C.	To recover from deadlocks
O D.	None of the above
Question 8	
Complete	1.5100
Mark 1.00 ou	ut of 1.00
Which o	f the following is not a deadlock prevention algorithm?
	f the following is not a deadlock prevention algorithm? None of the above
A.	
A.B.	None of the above
A.B.C.	None of the above Wait-for graph algorithm Banker's algorithm
A.B.C.	None of the above Wait-for graph algorithm
A.B.C.	None of the above Wait-for graph algorithm Banker's algorithm
A.B.C.D.	None of the above Wait-for graph algorithm Banker's algorithm
A.B.C.D.	None of the above Wait-for graph algorithm Banker's algorithm Resource allocation graph algorithm
A.B.C.D. Question 9 Complete	None of the above Wait-for graph algorithm Banker's algorithm Resource allocation graph algorithm
A.B.C.D. Question 9 Complete Mark 1.00 or	None of the above Wait-for graph algorithm Banker's algorithm Resource allocation graph algorithm
A. B. C. D. Question 9 Complete Mark 1.00 on	None of the above Wait-for graph algorithm Banker's algorithm Resource allocation graph algorithm ut of 1.00
A. B. C. D. Question 9 Complete Mark 1.00 or What is A.	None of the above Wait-for graph algorithm Banker's algorithm Resource allocation graph algorithm ut of 1.00 meant by no preemption in the context of deadlocks?
A. B. C. D. Question 9 Complete Mark 1.00 or What is A.	None of the above Wait-for graph algorithm Banker's algorithm Resource allocation graph algorithm at of 1.00 meant by no preemption in the context of deadlocks? None of the above wo or more processes are holding some resources and are waiting for resources held by others.

Question 10	
Complete	
Mark 1.00 out of 1.00	
Which of the following is a drawback of using the deadlock detection algorithm?	
○ A. It can cause starvation	
O B. It is not scalable	
C. It requires a lot of processing power	
D. It cannot prevent all deadlocks	
Question 11	
Complete	
Mark 1.00 out of 1.00	
What is meant by mutual exclusion in the context of deadlocks?	
○ A. None of the above	
O B. Two or more processes are holding some resources and are waiting for resources held by others.	
C. A process is holding a resource and is waiting for additional resources that are currently being held by another process	S.
D. Only one process at a time can use a particular resource.	
Question 12	
Complete	
Mark 1.00 out of 1.00	
What is a deadlock in an operating system?	
 A. When a process has completed its execution and has exited the system. 	
B. When a process is unable to complete its execution because it is waiting for some resource held by another process.	
 C. When a process has completed its execution and has returned control to the operating system. 	
 D. When a process is unable to start its execution because it is waiting for some resource. 	

Question 13	
Complete	
Mark 1.00 ou	ut of 1.00
What are	e the necessary conditions for a deadlock to occur?
A.	Mutual exclusion, hold and wait, no preemption, and circular wait
О В.	Mutual exclusion, hold and release, no preemption, and circular wait
○ C.	Mutual exclusion, hold and wait, preemption, and circular wait
O D.	Mutual exclusion, hold and release, preemption, and circular wait
Question 14 Complete	
	4-6100
Mark 1.00 ou	It of 1.00
Mark 1.00 ou	IT OT 1.00
	f the following is not one of the necessary conditions for a deadlock to occur?
Which of	
Which of	f the following is not one of the necessary conditions for a deadlock to occur?
Which of A. B.	f the following is not one of the necessary conditions for a deadlock to occur? Concurrent execution
Which of A. B. C.	f the following is not one of the necessary conditions for a deadlock to occur? Concurrent execution Hold and wait
Which of A. B. C. D.	f the following is not one of the necessary conditions for a deadlock to occur? Concurrent execution Hold and wait Mutual exclusion No preemption
Which of A. B. C. D.	f the following is not one of the necessary conditions for a deadlock to occur? Concurrent execution Hold and wait Mutual exclusion No preemption
Which of A. B. C. D.	f the following is not one of the necessary conditions for a deadlock to occur? Concurrent execution Hold and wait Mutual exclusion No preemption
Which of A. B. C. D.	f the following is not one of the necessary conditions for a deadlock to occur? Concurrent execution Hold and wait Mutual exclusion No preemption
Which of A. B. C. D. Question 15 Complete Mark 1.00 ou	f the following is not one of the necessary conditions for a deadlock to occur? Concurrent execution Hold and wait Mutual exclusion No preemption
Which of A. B. C. D. Question 15 Complete Mark 1.00 ou	f the following is not one of the necessary conditions for a deadlock to occur? Concurrent execution Hold and wait Mutual exclusion No preemption
Which of A. B. C. D. Question 15 Complete Mark 1.00 ou Which of	f the following is not one of the necessary conditions for a deadlock to occur? Concurrent execution Hold and wait Mutual exclusion No preemption It of 1.00 f the following is a condition required for the Banker's algorithm to work correctly?
Which of A. B. C. D. Question 15 Complete Mark 1.00 ou Which of A. B.	f the following is not one of the necessary conditions for a deadlock to occur? Concurrent execution Hold and wait Mutual exclusion No preemption In the following is a condition required for the Banker's algorithm to work correctly? Processes must request all resources at once

Question 16	
Complete	
Mark 1.00 out of 1.00	
What is the purpose of the reso	ource allocation graph algorithm?
○ A. To prevent deadlocks	
B. To detect deadlocks	
C. None of the above	
O. To recover from deadle	ocks
Question 17 Complete	
Mark 1.00 out of 1.00	
B. A situation where a prC. A situation where a pr	ocess is unable to allocate memory for its execution ocess has finished executing but has not released resources ocess is waiting for a resource held by another process ocess is terminated unexpectedly
Question 18	
Question 18 Complete Mark 1.00 out of 1.00	
Complete	
Complete	nker's algorithm?
Complete Mark 1.00 out of 1.00	
Complete Mark 1.00 out of 1.00 What is the drawback of the Ba	mory
Complete Mark 1.00 out of 1.00 What is the drawback of the Ba	mory deadlocks

Question 19	
Complete	
Mark 1.00 out	of 1.00
Which of	the following is a drawback of using the deadlock prevention algorithm?
O A. It	t can cause starvation
B. It	t cannot prevent all deadlocks
O C. It	t is not scalable
O D. It	t requires a lot of processing power
Question 20	
Complete	
Mark 1.00 out	of 1.00
What is a	deadlock in operating systems?
A. A	A condition where a process cannot proceed because it is waiting for a resource held by another process
○ B. A	A condition where two processes are executing each other's code
O C. A	A condition where the operating system has crashed and cannot recover
O D. A	A condition where a process has been terminated unexpectedly
Question 21	
Complete	
Mark 1.00 out	of 1.00
Which of	the following algorithms can prevent a deadlock?
A. B	Banker's algorithm
○ B. R	Round-robin algorithm
	Shortest job first algorithm
O C. S	biortest job ilist algoritilli

Question 2 2	
	2
Complete	
Mark 1.00 o	out of 1.00
Which o	of the following is not a resource allocation strategy in the Banker's algorithm?
○ A.	Release
О В.	Allocate
C.	Check
O D.	Request
Question 2	3
Complete	
Mark 1.00 o	out of 1.00
What is	the Banker's algorithm used for?
	the Banker's algorithm used for? Recovering from deadlocks
○ A.	
A.B.	Recovering from deadlocks
A.B.C.	Recovering from deadlocks Detecting deadlocks
A.B.C.	Recovering from deadlocks Detecting deadlocks Preventing deadlocks
A.B.C.	Recovering from deadlocks Detecting deadlocks Preventing deadlocks None of the above
A.B.C.D.	Recovering from deadlocks Detecting deadlocks Preventing deadlocks None of the above
A.B.C.D.	Recovering from deadlocks Detecting deadlocks Preventing deadlocks None of the above
A. B. C. D.	Recovering from deadlocks Detecting deadlocks Preventing deadlocks None of the above
A. B. C. D.	Recovering from deadlocks Detecting deadlocks Preventing deadlocks None of the above
A. B. C. D. Question 24 Complete Mark 1.00 of	Recovering from deadlocks Detecting deadlocks Preventing deadlocks None of the above 4 out of 1.00 of the following algorithms is used to detect deadlocks in operating systems?
A. B. C. D. Question 24 Complete Mark 1.00 of	Recovering from deadlocks Detecting deadlocks Preventing deadlocks None of the above 4 Out of 1.00 of the following algorithms is used to detect deadlocks in operating systems? FIFO algorithm
A. B. C. D. Question 24 Complete Mark 1.00 c	Recovering from deadlocks Detecting deadlocks Preventing deadlocks None of the above 4 Of the following algorithms is used to detect deadlocks in operating systems? FIFO algorithm None of the above
A. B. C. D. Question 2. Complete Mark 1.00 c Which c A. B. C.	Recovering from deadlocks Detecting deadlocks Preventing deadlocks None of the above 4 Out of 1.00 of the following algorithms is used to detect deadlocks in operating systems? FIFO algorithm

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Question 2	5
Complete	
Mark 1.00 c	ut of 1.00
Which o	of the following is a way to prevent deadlocks in operating systems?
○ A.	Ignoring the problem and hoping it won't occur
О В.	Killing all processes when a deadlock is detected
O C.	Using a deadlock detection algorithm
D.	Using a deadlock prevention algorithm
Question 2 Complete	6
Mark 1.00 c	u+ of 1.00
IVIAIR 1.00 C	int of 1.00
Which o	of the following is a preemption-based algorithm?
○ A.	FIFO
O D	Round-robin algorithm
○ B.	
B.C.	Priority-based algorithm