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Started on Monday, 13 May 2024, 3:19 PM State Finished Completed on Monday, 13 May 2024, 3:57 PM **Time taken** 38 mins 51 secs Grade 35.00 out of 35.00 (100%) Question 1 Correct Mark 1.00 out of 1.00 Which of the following is NOT TRUE about recovery methods? Select one: oa. Terminate only jobs involved in a deadlock and resubmit. ob. Terminate all active jobs and restart them. od. Identify jobs involved and terminate one at a time. Your answer is correct. The correct answer is: Stops all jobs from entering the system. Question 2 Correct Mark 1.00 out of 1.00 Since segment sizes may vary in Segmented Memory Allocation Scheme, the displacement must be \_\_\_\_\_\_ to make sure it's not out of the segment's range. Select one: a. rearrange b. calculated o c. verified

✓ d. executed

Your answer is correct.

The correct answer is: verified

Multi-programming requires that the be allocated to each job/process for a period of time and wh the period expires.  Select one:  a. resource, swap out b. memory, deleted c. processor, deallocated d. register, deallocated  Your answer is correct.  The correct answer is: processor, deallocated  auestion 4  Correct  Mark 1.00 out of 1.00  The 4 memory allocation schemes are being introduce to remove of storing contiguously.
Multi-programming requires that the be allocated to each job/process for a period of time and wh the period expires.  Select one:  a. resource, swap out  b. memory, deleted  c. processor, deallocated  d. register, deallocated  Your answer is correct.  The correct answer is: processor, deallocated
the period expires.  Select one:  a. resource, swap out  b. memory, deleted  c. processor, deallocated  d. register, deallocated  Your answer is correct.  The correct answer is: processor, deallocated
the period expires.  Select one:  a. resource, swap out  b. memory, deleted  c. processor, deallocated  d. register, deallocated  Your answer is correct.  The correct answer is: processor, deallocated
<ul> <li>a. resource, swap out</li> <li>b. memory, deleted</li> <li>c. processor, deallocated</li> <li>d. register, deallocated</li> </ul> Your answer is correct. The correct answer is: processor, deallocated Question 4 Correct Wark 1.00 out of 1.00
<ul> <li>b. memory, deleted</li> <li>c. processor, deallocated</li> <li>d. register, deallocated</li> </ul> Your answer is correct. The correct answer is: processor, deallocated Question 4 Correct Mark 1.00 out of 1.00
<ul> <li>c. processor, deallocated</li> <li>d. register, deallocated</li> <li>Your answer is correct.</li> <li>The correct answer is: processor, deallocated</li> </ul> Question 4 Correct Mark 1.00 out of 1.00
Od. register, deallocated  Your answer is correct.  The correct answer is: processor, deallocated  Question 4  Correct  Mark 1.00 out of 1.00
Your answer is correct.  The correct answer is: processor, deallocated  Question 4  Correct  Wark 1.00 out of 1.00
The correct answer is: processor, deallocated  Question 4  Correct  Mark 1.00 out of 1.00
Question 4 Correct Wark 1.00 out of 1.00
Correct  Mark 1.00 out of 1.00
Correct  Mark 1.00 out of 1.00
Mark 1.00 out of 1.00
The 4 memory allocation schemes are being introduce to remove of storing contiguously.
<ul> <li>b. restriction, programs</li> <li>c. compaction, programs</li> <li>d. deadlock, memory</li> </ul> Your answer is correct. The correct answer is: restriction, programs
Question 5
Correct  Mark 1.00 out of 1.00

https://spectrum.um.edu.my/mod/quiz/review.php?attempt=1639550&cmid=866999

Question <b>6</b>	
Correct	
Mark 1.00 out of 1.00	
	, the determines when each step (or set of steps) is executed (also based
on certain criteria).	
Select one:	
a. execution, Job Schedu	uler <b>✓</b>
<ul><li>b. processing, Associative</li></ul>	e register
c. execution, Process Sch	eduler
od. processing, processor	
Your answer is correct.	
The correct answer is: execution	on, Job Scheduler
Question <b>7</b>	
Correct	
Correct Mark 1.00 out of 1.00	
Correct Mark 1.00 out of 1.00	by several jobs/processes if and only if the OS has a and to
Correct  Mark 1.00 out of 1.00  One processor can be shared	by several jobs/processes if and only if the OS has a and to ag on one job and proceed to another.
Correct  Mark 1.00 out of 1.00  One processor can be shared determine when to stop workir	
Correct  Mark 1.00 out of 1.00  One processor can be shared determine when to stop workir  Select one:	ng on one job and proceed to another.
One processor can be shared determine when to stop working Select one:  a. scheduling policy, scheduling pol	ng on one job and proceed to another. eduling algorithm❤
One processor can be shared determine when to stop working Select one:  a. scheduling policy, schele b. frames and segments	ng on one job and proceed to another. eduling algorithm❤
One processor can be shared determine when to stop working Select one:  a. scheduling policy, scheduling be policy, scheduling	ng on one job and proceed to another. eduling algorithm❤
One processor can be shared determine when to stop working Select one:  a. scheduling policy, schele b. frames and segments	ng on one job and proceed to another. eduling algorithm❤
One processor can be shared determine when to stop working Select one:  a. scheduling policy, scheduling be policy, scheduling	ng on one job and proceed to another. eduling algorithm❤

Correct	
Mark 1.00 out of 1.00	
Polow are the r	responsibilities of a Process scheduler EXCEPT
below are men	esponsibilities of a frocess scrieduler except
Select one:	
	es when a job should be stopped. 🗸
ob. Determ	nines a job has concluded and should be terminated
O c. Decide	es when a job should be interrupted
od. Determ	nines which queue a job should be moved to during its execution
Your answer is a	correct.
	swer is: Decides when a job should be stopped.
Question <b>9</b> Correct	
Mark 1.00 out of 1.00	
OS can avoid o	deadlock if it knows in advance the sequence of process in each request.
Select one:	
O True	
False   ✓	
The correct ans	swer is 'False'.
Question 10	
Correct	
Mark 1.00 out of 1.00	
The progress of	f job execution is noted in and is updated as the job progresses from beginning to termination.
The progress of	r job execution is noted in and is updated as the job progresses from beginning to termination.
The progress of Select one:	r job execution is noted in and is updated as the job progresses from beginning to termination.
	r job execution is noted in and is updated as the job progresses from beginning to termination.
Select one:	r job execution is noted in and is updated as the job progresses from beginning to termination.
Select one:	r job execution is noted in and is updated as the job progresses from beginning to termination.
Select one:	gob execution is noted in and is updated as the job progresses from beginning to termination.
Select one:	r job execution is noted in and is updated as the job progresses from beginning to termination.
Select one:  a. PCB  b. SMT  c. PMT  d. JMT	
Select one:	correct.

Question 11	
Correct	
Mark 1.00 out of	1.00
	out the pages that show the least amount of recent activity based on the that these pages are the obe used again in the immediate future.
Select one:	
a. assu	umption <b>✓</b>
ob. dura	ation
	rent situation nber of frames
Your answe	er is correct.
The correct	answer is: assumption
Question 12	
Correct	
Mark 1.00 out of	1.00
Select one:  ○ True  ○ False ✔	
⊕ l'disc ♥	
The correct	answer is 'False'.
Question 13	
Correct	1.00
Mark 1.00 out of	1.00
Below are t	he example of possible cases of deadlock EXCEPT
Select one:	
oa. Dec	adlocks on file requests
ob. Dec	adlocks in dedicated device allocation
c. Dec	adlocks in database allocation♥
od. Dec	adlocks in spooling
Your answe	er is correct.
The correct	answer is: Deadlocks in database allocation

5/2024, 16:00	Midterm Test: Attempt review
Question 14	
Correct	
Mark 1.00 out of 1.00	
In Demand Paging Allocation modified or not. Why?	n Scheme, Page Map Table contains info to determine if the page contents have been
Select one:	
a. To show which pages	are most active/inactive
<ul><li>b. To delete unnecessar</li></ul>	y pages.
c. To determine whethe	er it need to be rewritten to secondary storage or not. 🗸
Od. To determine which p	pages should remain in main memory and which should be swapped.
Your answer is correct.	
The correct answer is: To dete	ermine whether it need to be rewritten to secondary storage or not.
Question 15	
Correct	
Mark 1.00 out of 1.00	
Absolute address calculated	using segment number and displacement refers to
	using segment nottiber and displacement releas to
Select one:  a. Associative memory	
<ul><li>b. Working Set</li></ul>	
C. Virtual Memory with P	aging aging
<ul><li>d. Virtual Memory with S</li></ul>	Segmentation *
Your answer is correct.	
The correct answer is: Virtual	Memory with Segmentation

Question 16
Correct
Mark 1.00 out of 1.00
When the system is overloaded, the removes active jobs from memory to reduce the degree of multi-programming and allows jobs to be completed faster.
Select one:
a. low-level scheduler
o. high-level scheduler
Your answer is correct.
The correct answer is: middle-level scheduler
Question 17
Correct
Mark 1.00 out of 1.00
<ul> <li>a. To keep most components of the computer system busy most of the time ✓</li> <li>b. To put jobs in a sequence.</li> <li>c. To select several consecutive jobs with a great deal of computation.</li> <li>d. To select several jobs to run consecutively.</li> </ul>
Your answer is correct.
The correct answer is: To keep most components of the computer system busy most of the time
Question 18
Correct  Mark 1.00 out of 1.00
is the result of conservative allocation of resources in which a job is prevented from executing because it is kept waiting for resources that never become available.
Select one:
⊚ a. Starvation     ✓
○ b. Deadlock
Your answer is correct.
The correct answer is: Starvation

Question 19
Correct
Mark 1.00 out of 1.00
This memory allocation scheme overcomes the problems of segmentations such as compaction, external fragmentation and secondary storage handling.
Select one:
a. Paged allocation
o b. Segmented allocation
o. Demand Paging
■ d. Segmented/Demand Paged
Your answer is correct.
The correct answer is: Segmented/Demand Paged
Question 20
Correct
Mark 1.00 out of 1.00
What is the advantage of storing programs in non-contiguous locations?
Select one:
<ul> <li>a. Memory is used more efficiently because an empty page frame can be used by any page of any job.</li> </ul>
memory is used more emclenily because an empty page frame can be used by any page of any job.
<ul> <li>b. Memory is used more efficiently because an empty page frame can be used by many jobs.</li> </ul>
c. Memory is used more efficiently because an empty sector can be used by any page of any job.
<ul> <li>d. Memory is used more efficiently because page frame can be used by more pages of any job.</li> </ul>
Your answer is correct.
The correct answer is:
Memory is used more efficiently because an empty page frame can be used by any page of any job.

5/2024, 16:00	Midterm Test: Attempt review
Question 21	
Correct	
Mark 1.00 ou	t of 1.00
What is t	he purpose of having Memory Map Table in Segmented/Demand Paged memory allocation scheme?
Select o	ne:
oa. L	ists details about every page (one for each segment).
○ b. <sub>[</sub>	ists details about each segment (one for each job).
0 c. l	ists every job in process (one for the whole system)
d. N	Monitors the allocation of page frames in main memory (one for the whole system). ✓
Your ans	wer is correct.
	ect answer is: Monitors the allocation of page frames in main memory (one for the whole system).
Question 22 Correct	
Mark 1.00 ou	t of 1.00
7410111 1.00 00	
What are	e the 4 necessary conditions to be eliminated to avoid deadlock?
Select o	
	Race, Starvation, Circular wait and No preemption.
○ b. F	Resource holding, No preemption, Livelock and Locking.
	Mutual exclusion, Resource holding, No preemption and Circular wait♥
	ivelock, Starvation, Mutual exclusion and Resource holding
0 01 -	
Your ans	wer is correct.
The corre	ect answer is: Mutual exclusion, Resource holding, No preemption and Circular wait

Question 23	
Correct	
Mark 1.00 out	of 1.00
The Proce	ess Scheduler takes over after a job has been placed in the queue by the Job Scheduler.
Select one	e:
o. re	esource
O b. sc	cheduling
O C. W	raiting
d. re	eady <b>√</b>
Your answ	ver is correct.
The correc	ct answer is: ready
Question <b>24</b>	
Correct	
Mark 1.00 out	of 1.00
Below are	e the differences between paging and segmentation EXCEPT
Below are	e:
Below are	e: ages are physical units.
Select one  a. Po b. Po	e: ages are physical units. ages are invisible to users and fixed sizes.
Select one  a. Pa  b. Pa  c. Se	e: ages are physical units. ages are invisible to users and fixed sizes. egments are invisible to users and of variable sizes.
Select one  a. Pa  b. Pa  c. Se	e: ages are physical units. ages are invisible to users and fixed sizes.
Select one  a. Pa  b. Pa  c. Se  d. Se	e: ages are physical units. ages are invisible to users and fixed sizes. egments are invisible to users and of variable sizes. egments are logical units.
Select one  a. Pa  b. Pa  c. Se  d. Se	e: ages are physical units. ages are invisible to users and fixed sizes. egments are invisible to users and of variable sizes. egments are logical units.  wer is correct.
Select one  a. Pa  b. Pa  c. Se  d. Se	e: ages are physical units. ages are invisible to users and fixed sizes. egments are invisible to users and of variable sizes. egments are logical units.
Select one  a. Po  b. Po  c. Se  d. Se	e: ages are physical units. ages are invisible to users and fixed sizes. egments are invisible to users and of variable sizes. egments are logical units.  wer is correct.
Select one  a. Pa  b. Pa  c. Se  d. Se	e: ages are physical units. ages are invisible to users and fixed sizes. egments are invisible to users and of variable sizes. egments are logical units.  wer is correct.
Select one  a. Po  b. Po  c. Se  d. Se	e: ages are physical units. ages are invisible to users and fixed sizes. egments are invisible to users and of variable sizes. egments are logical units.  ver is correct. ct answer is: Segments are invisible to users and of variable sizes.
Select one a. Pa b. Pa c. Se d. Se  Your answ The correct	e: ages are physical units. ages are invisible to users and fixed sizes. egments are invisible to users and of variable sizes. egments are logical units.  ver is correct. ct answer is: Segments are invisible to users and of variable sizes.
Below are  Select one  a. Pa  b. Pa  c. Se  d. Se  Your answ The correct  Question 25  Correct  Mark 1.00 out	e: ages are physical units. ages are invisible to users and fixed sizes. egments are invisible to users and of variable sizes. egments are logical units.  wer is correct. ct answer is; Segments are invisible to users and of variable sizes.
Below are  Select one  a. Pa  b. Pa  c. Se  d. Se  Your answ The correct  Question 25  Correct  Mark 1.00 out	e: ages are physical units. ages are invisible to users and fixed sizes. egments are invisible to users and of variable sizes. egments are logical units.  wer is correct. ct answer is: Segments are invisible to users and of variable sizes.  of 1.00  Memory Allocation Scheme, there is no need for compaction. Why?
Selectional a. Paged Selectional Selection	e: ages are physical units. ages are invisible to users and fixed sizes. egments are invisible to users and of variable sizes. egments are logical units.  wer is correct. ct answer is: Segments are invisible to users and of variable sizes.  of 1.00  Memory Allocation Scheme, there is no need for compaction. Why? e:
Below are  Select one  a. Po  b. Po  c. Se  d. Se  Your answ The correct  Mark 1.00 out  In Paged  Select one  a. Th	e: ages are physical units. ages are invisible to users and fixed sizes. egments are invisible to users and of variable sizes. egments are logical units.  ver is correct. ct answer is: Segments are invisible to users and of variable sizes.  of 1.00  Memory Allocation Scheme, there is no need for compaction. Why? e: nere is no internal fragmentation in pages.
Below are  Select one  a. Pa  b. Pa  c. Se  d. Se  Your answ The correct  Mark 1.00 out  In Paged  Select one  a. Th  b. La	e: ages are physical units. ages are invisible to users and fixed sizes. egments are invisible to users and of variable sizes. egments are logical units.  ver is correct. ct answer is: Segments are invisible to users and of variable sizes.  of 1.00  Memory Allocation Scheme, there is no need for compaction. Why? e: here is no internal fragmentation in pages. bads the pages (not necessarily contiguously).
Select one  a. Pa  b. Pa  c. Se  d. Se  Your answ The correct  Mark 1.00 out  In Paged  Select one  a. Th  b. La  c. La	e: ages are physical units. ages are invisible to users and fixed sizes. egments are invisible to users and of variable sizes. egments are logical units.  wer is correct. ct answer is: Segments are invisible to users and of variable sizes.  of 1.00  Memory Allocation Scheme, there is no need for compaction. Why? e: nere is no internal fragmentation in pages.

The correct answer is: There is no external fragmentation between frame pages.

Question 2	26
Correct	
Mark 1.00	out of 1.00
	neme loads only a part of the program into memory for processing and job is divided into equally sized pages itially reside in secondary storage.
Select	one:
<ul><li>a.</li></ul>	Paged memory allocation
<ul><li>b.</li></ul>	Segmented allocation
O C.	Single contiguous
d.	Demand paging allocation  ✓
Your a	nswer is correct.
The co	rrect answer is: Demand paging allocation
Question 2	27
Correct	
Mark 1.00	out of 1.00
) b.	one: value  feedback history  ✓
○ d.	choice
Your a	nswer is correct.
The co	rrect answer is: history
Question	28
Correct	
Mark 1.00	UU.I 10 TUC
FIFO sw	vaps a page that has been in the memory shortest and LRU swaps a page that is most recently accessed.
Select	one:
O True	
Fals	
	e ✔
	e 🗸
The co	e ✔ rrect answer is 'False'.

Question <b>29</b>	
Correct	
Mark 1.00 out of 1.00	
"The Dining Philosophers" problem	introduced by Dijkstra is trying to solve the problem of
Select one:	
<ul><li>a. Starvation</li></ul>	
ob. Race	
O c. Livelock	
od. Deadlock	
Your answer is correct.	
The correct answer is: Starvation	
Question <b>30</b>	
Correct	
Mark 1.00 out of 1.00	
a. Aging	
Select one:	
<ul><li>a. Aging</li><li>b. Deadlock</li></ul>	
c. Starvation	
C. Starvanori	
Your answer is correct.	
The correct answer is: Deadlock	
The correct driswer is, beddiock	
Question <b>31</b>	
Correct	
Mark 1.00 out of 1.00	
Pages, sectors and page frames ar	e of the same size to increase the of the OS.
Select one:	
a. efficiency     ✓	
ob. concurrency	
oc. dependency	
Od. latency	
Your answer is correct.	
The correct answer is: efficiency	

Question <b>32</b>	
Correct	
Mark 1.00 out of 1.00	
Process Schedule	er is the low-level scheduler that assigns the CPU to execute the jobs placed in the queue.
Select one:	
True ✓	
<ul><li>False</li></ul>	
The correct answ	ver is 'True'.
Question <b>33</b>	
Correct	
Mark 1.00 out of 1.00	
One hol	lds one page of job instruction and fits into one page frame of memory.
Select one:	
<ul><li>a. allocatio</li></ul>	on
<ul><li>b. frame</li></ul>	
<ul><li>c. sector</li></ul>	
d. block	
G. BIOCK	
Your answer is co	orrect
The correct answ	
me concer answ	Vol. 13. 300101
Question <b>34</b>	
Correct	
Mark 1.00 out of 1.00	
The Development Alex	orithma navana and la v Diillohara na guulahan an a
	orithm proposed by Dijkstra regulates to avoid deadlocks.
Select one:	pized process
a. synchron	
<ul><li>b. resource</li></ul>	
c. file alloca	ation
<ul><li>d. process</li></ul>	
Your answer is co	
The correct answ	ver is: resource allocation

2024, 10.00	Middelli Test. Attempt review
Question <b>35</b>	
Correct	
Mark 1.00 out of 1.00	
	algorithm can be quite high when there are many active jobs and many
devices because it has to be invok	ed for each request.
Select one:	
a. starvation	
b. avoidance  ✓	
oc. deadlock	
od. scheduling	
Your answer is correct.	
The correct answer is: avoidance	
4 COLLIDEE INTODAMATION	
■ COURSE INFORMATION	
Jump to	
	CHAPTER 1 ▶

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