Started on	Monday, 5 May 2025, 4:30 PM	
State	Finished	
Completed on	Monday, 5 May 2025, 4:38 PM	
Time taken	8 mins 11 secs	
Marks	13.00/20.00	
Grade	65.00 out of 100.00	
Question 1		
Correct		
Mark 1.00 out of 1.00		
Which of these statements about virtual memory is true? • a. It improves file compression		
 b. It provides unlimited RAM c. It uses disk as an extension of RAM ✓ 		
O d. It increases	CPU clock speed	
Question 2 Correct Mark 1.00 out of 1.00		
What is swapping in OS?		

- a. Copying data to GPU
- b. Rearranging cache content
- \odot d. Moving processes in/out of main memory to/from disk \checkmark

·				
Question 3 Correct				
Mark 1.00 out of 1.00				
Which of the following is not a valid page replacement algorithm?				
a. Optimal				
○ b. LRU				
○ c. FIFO				
■ d. Round Robin ✓				
Question 4				
Incorrect				
Mark 0.00 out of 1.00				
The main function of the I/O control system is:				
■ a. User interface ★				
b. Memory segmentation				
oc. Buffering and device communication				
Od. CPU scheduling				
Question 5				
Correct				
Mark 1.00 out of 1.00				
The role of the dispatcher is to:				
 ■ a. Assign CPU control to the selected process 				
b. Handle memory allocation				
c. Handle memory allocation				
○ d. Manage file systems				

Question 6				
Correct				
Mark 1.00 o	ut of 1.00			
The Ban	ker's algorithm is used to:			
О а.	Prevent segmentation faults			
b.	Avoid deadlocks ♥			
O c.	Detect deadlocks			
O d.	Recover from deadlocks			
Question 7				
Correct				
Mark 1.00 o	ut of 1.00			
Which s	ystem call is used to terminate a process?			
○ a.	fork()			
O b.	wait()			
c.	kill() ❤			
O d.	exec()			
•				
Question 8 Correct				
Mark 1.00 o	ut of 1.00			
A critica	I section is:			
О a.	Protected memory space			
b.	A segment of code that accesses shared resources ✓			
O c.	c. Code used to initialize variables			
O d. User-level exception				

*	•				
Question 9					
Mark 0.00 out of 1.00					
What is thras	shing in OS?				
○ a. Exce	essive swapping in/out of memory				
O b C					
O b. Spoo	oling too many jobs				
O c Frag	mentation of cache memory				
C. Trag	mentation of eache memory				
d. Men	nory leaks ×				
Question 10 Correct					
Mark 1.00 out of 1	.00				
What is the	main advantage of multithreading?				
a. Incre	eased disk space				
b. Cor	ncurrent execution of tasks 🗸				
O c. Incre	eased disk space				
O d. Incre	eased disk space				
Question 11					
Incorrect					
Mark 0.00 out of 1	.00				
Which condi	tion is not required for a deadlock to occur?				
O a. Hol	d and Wait				
○ b. Circular Wait					
c. Mut					
O d. Pree	emption				

Question 12		
Incorrect		
Mark 0.00 out of 1.00		
Which of the following is not a type of CPU scheduling?		
○ a. Round Robin		
O b. LRU		
○ c. SJF ★		
○ d. FCFS		
Question 13		
Incorrect		
Mark 0.00 out of 1.00		
Which of the following is not a valid process state?		
○ a. Waiting		
○ b. Executing		
◎ c. Suspend Terminated ★		
d. Ready		
G. Reddy		
Question 14		
Correct		
Mark 1.00 out of 1.00		
What is a zombie process?		
a. A process holding all system memory		
○ b. A process waiting for I/O		
 ○ c. A terminated process with no parent to read its exit status 		
od. A process stuck in an infinite loop		

5/20, 1.00 i iii	Quiz 10.7 Moniperoview			
Question 15				
Incorrect				
Mark 0.00 out of 1.00				
Which memory management scheme requires relocation registers?				
O				
a. Contiguous memory allocation				
○ b. Paging				
○ c. Segmentation ★				
d. Virtual memory				
Question 16				
Correct				
Mark 1.00 out of 1.00				
What does the fork() system call do?				
what does the lork() system can do:				
a. Spawns a new kernel				
a. Spawis a new kerner				
c. Switches to kernel mode				
d. Creates a thread				
d. Credies a timeda				
Question 17				
Question 17 Correct				
Mark 1.00 out of 1.00				
What is the purpose of a file system?				
a. Allocate registers				
○ b. Increase CPU speed				
© c. Provide mechanisms for storing and retrieving files ✓				
Od. Manage file names				

5/25, 4:39 PM	Quiz-10: Attempt review			
Question 18				
Incorrect				
Mark 0.00 out of 1.00				
In a system using round-robin scheduling, what happens when a process's time slice expires?				
a. It moves to the end of the ready queue				
b. It moves to the end of the ready queue *				
c. It switches to kernel mode				
O d. It gets terminated				
Question 19				
Correct				
Mark 1.00 out of 1.00				
Semaphores are used to solve:				
a. Process synchronization 				
O b. Disk scheduling				
oc. Paging problems				
O d. CPU scheduling				
Question 20				
Correct				
Mark 1.00 out of 1.00				
In which scheduling algorithm can starvation occur?				
O a. FIFO				
oc. Multilevel Queue				
O d. Round Robin				