VCD- OE 10 5 -MOS-SYIT-SEM-III-75 MARKS-2 1/2 HRS

	i) All questions are compulsory.		
	ii) Draw neat diagram wh		
A ST	iii) Figures to right indicate full marks.		
	and indicate full marks.		
Q.1	Attempt any two.		
	a) Define Operating system and Explain St.	(10)	
	a) Define Operating system and Explain Structure of Computer System.b) Explain Clustered Operating System with advantage		
	c) Explain Role of compiler with it was and disadvantages.		
	d) Write Short note on Linker and loader.		
and the same of th		A CHARLES THE STATE OF THE STAT	
Q.2	Attempt any two.		
	a) What are the different operating system services? b) Explain layered structure of a	(10)	
	b) Explain layered structure of operating system. c) Explain work of kernel in day.		
	d) What are the different types of system calls?		
Q.3	Attempt any two.		
	a) Difference between process and threads.	(10)	
	U) Explain Producer consumer problem		
	c) What are the benefits of multithreading?		
	d) Explain different types of scheduler.		
Q.4	Attempt any two.		
		(10)	
	a) Explain Concept of Demand paging.b) Write a short note on segmentation.		
	b) write a short note on segmentation	이 그는 이렇게 그리고 말하는 그 그릇이 하고 있었다.	
100	c) Calculate page fault for following c		
	c) Calculate page fault for following reference string using LRU page replace	ement algorithm.	
	c) Calculate page fault for following reference string using LRU page replace 7 0 1 2 0 3 0 4 2 3 0 3 2 1 2 0 1 7 0 1	ement algorithm.	
	c) Calculate page fault for following reference string using LRU page replace	ement algorithm.	
	c) Calculate page fault for following reference string using LRU page replace 7 0 1 2 0 3 0 4 2 3 0 3 2 1 2 0 1 7 0 1		
.5	c) Calculate page fault for following reference string using LRU page replace 70120304230321201701 d) Write a short note on logical v/s physical address space. Attempt any two.	ement algorithm.	
.5	c) Calculate page fault for following reference string using LRU page replace 7 0 1 2 0 3 0 4 2 3 0 3 2 1 2 0 1 7 0 1 d) Write a short note on logical v/s physical address space. Attempt any two. a) Write short note on File mounting.		
.5	c) Calculate page fault for following reference string using LRU page replace 70120304230321201701 d) Write a short note on logical v/s physical address space. Attempt any two.		
.5	c) Calculate page fault for following reference string using LRU page replace 7 0 1 2 0 3 0 4 2 3 0 3 2 1 2 0 1 7 0 1 d) Write a short note on logical v/s physical address space. Attempt any two. a) Write short note on File mounting. b) Explain deadlock with its four necessary conditions.		
.5	c) Calculate page fault for following reference string using LRU page replace 7 0 1 2 0 3 0 4 2 3 0 3 2 1 2 0 1 7 0 1 d) Write a short note on logical v/s physical address space. Attempt any two. a) Write short note on File mounting. b) Explain deadlock with its four necessary conditions. c) Explain file operations. d) Explain concept of NFS Protocol.		
.6	c) Calculate page fault for following reference string using LRU page replace 7 0 1 2 0 3 0 4 2 3 0 3 2 1 2 0 1 7 0 1 d) Write a short note on logical v/s physical address space. Attempt any two. a) Write short note on File mounting. b) Explain deadlock with its four necessary conditions. c) Explain file operations. d) Explain concept of NFS Protocol. Attempt any two.	(10)	
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- a) Difference between compiler and interpreter.
- b) Explain System boot process.
- c) Calculate turnaround time according to SJF preemptive and non preemptive algorithm.

Process	Burst Time	Arrival time
P1	5	0
P2	2	
P3	8	2
P4	4	3

- d) Write a short note on swapping
- e) Explain Resource allocation graph.
- f) Explain Access Control Matrix.