VCD-150	920	012 S.Y.IT. MOS SEM-III - 2012-13 60-MARKS	2-HRS.	PG-2-300
Note	:	i) All the questions are compulsory.		
		ii) Figures to the right indicate full marks.		
		iii) Draw diagram wherever needed.		
o sign				
Q.1.	v.	Attempt (any 2):		[10]
	a)	Explain abstract view of computer system with diagram.		
	b)	What are the different phases of compiler?		
	c)	Explain multiprocessing operating system with its advantages.		
Q.2.		Attempt (any 2):		[10
	a)	What are the different types of system calls?		
• 1	b)	What is virtual machine explain with example?		
	c) .	Explain layered structure of operating system.		
. 11				
Q.3.		Attempt (any 2):	139(1)	[1
	a) ·	Write short note on structure of process control block.		70
	b)	Calculate average waiting time and draw gantt chart for following (First Come First Serve) Algorithm.	g process	es using FC
•		Process Burst Time		
		P_1		
		P_2		
		P_3		
		P_4		
	- >	Define Threads, Benefits of multithreading.		
	c)	Define Tineaco, 2		
1		Attempt (any 2):		

- Explain concept of paging. a)
- Write a short note on Logical Versus Physical Address Space. b)
- Consider the following page reference string c)

7 0 1 2 0 3 0 4 2 3 0 3 2 1 2 0 1 7 0 1

How many page faults would occur for FIFO replacement algorithm consider frame size = 3.

(P.T.O.)

Q.5.	Attempt (any 2):	MOS
	a) What is deadlock? How to prevent deadlock occurance. b) Explain file attributes. c) Explain Not.	
	b) Explain at	[10]
	b) Explain file attributes. c) Explain N	
	c) Explain Network File System (NFS) protocol.	
Q.6	Attor	
	Attempt (any 2):	[10]
	short note on A	[10]
	b) Explain Access matrix.	
	c) Explain different types of viruses.	
	Jes of Viruses.	
	— THE END —	
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