	Enrolln	nent No: _				_		
			C.U.SHAH	UNIVERSITY				
	Summer Examination - 2020							
	Subject Name : Operating System							
	Subject Code: 4CS05IOS1			Branch: B.Sc.IT				
	Semeste	r : 5	Date: 28/02/2020	Time: 10:30 To 01:30	Marks: 70			
	(2) 1 (3) 1	Use of Pro Instruction Draw neat	is written on main answe	any other electronic instrument is pr r book are strictly to be obeyed. necessary) at right places.	ohibited.	_		
Q-1		Attempt	t the following question	s:		(14)		
	a)	_	you meant by operating					
	b)	Define th	he term: Process					
	c)	What is '	Thread?					
	d)	What do	you mean by scheduler?					
	e)	Define th	he term: Deadlock					
	f)		various file operation					
	g)	What is	the use of vi editor?					
	h)	Which co	ommand is used to list al	ll file and directory?				
	i)		the use of head command					
	j)		the use of pwd command	1?				
	k)		he term: Frame					
	1)		ommand is used to create					
	m)		ommand is used to remo	ve the directory?				
	n)	List out	various file attributes					
Atte	mpt any	four quest	tions from Q-2 to Q-8					
Q-2		_	t all questions					
	(1)		System Calls			(7)		
	(2)	Explain	different types of operati	ng systems		(7)		
Q-3	1	Attempt	t all questions					
-	(1)	_	FCFS scheduling with su	iitable example		(7)		
	(2)	Discuss	round robin scheduling is	n detail		(7)		



(1)	Discuss deadlock prevention in detail	(7)
(2)	Explain segmentation in detail	(7)
	Attempt all questions	
(1)	Explain recovery from deadlock	(7)
(2)	Write a note on: Virtual Memory	(7)
	Attempt all questions	
(1)	Discuss page replacement algorithm	(7)
(2)	Explain file and directory structure in detail	(7)
	Attempt all questions	
(1)	Describe wc command with options and example	(7)
(2)	Describe various modes of vi editor in detail	(7)
	Attempt all questions	
(1)	Write a shell script to perform arithmetic operations	(7)
(2)	Write a shell script to calculate area of circle (area=pi*r²)	(7)
	(1) (2) (1) (2) (1) (1)	Attempt all questions (1) Explain recovery from deadlock (2) Write a note on: Virtual Memory Attempt all questions (1) Discuss page replacement algorithm (2) Explain file and directory structure in detail Attempt all questions (1) Describe we command with options and example (2) Describe various modes of vi editor in detail Attempt all questions (1) Write a shell script to perform arithmetic operations

