Exam Seat No:_____

C.U.SHAH UNIVERSITY Summer Examination-2019

Subject Name : Advanced Operating System Subject Code : 4CS03AOS1 Semester : 3 Date : 18/03/2019

Branch: M.Sc. CA & IT (Integrated) Time : 02:30 To 05:30 Marks : 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.

- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

Q-1		Attempt the following questions:	(14)
	a)	Define term :- Operating System	1
	b)	Define term : File	1
	c)	Define term : Shell Script	1
	d)	Define term : Kernel	1
	e)	What is Paging?	1
	f)	What is the full Form of DOS?	1
	g)	What is the full Form of RTOS?	1
	h)	What is batch Operating System?	1
	i)	&& is logical Operator in shell script- State True or False	1
	j)	concatenates two strings in shell script- State True or False	1
	k)	Define term : Process	1
	l)	Enlist Process States in Operating System.	1
	m)	What is the full Form of LIFO?	1
	n)	What is the full Form of FIFO?	1
Attem	pt any f	cour questions from Q-2 to Q-8	
Q-2		Attempt all questions	(14)
-	(A)	Write a brief note on "deadlock".	(7)
	(B)	Explain LIFO Scheduling policy with example.	(7)
Q-3		Attempt all questions	(14)
-	(A)	Explain RTOS and Batch Operating system in brief.	(7)
	(B)	Explain "Paging" with Diagram.	(7)

Q-4		Attempt all questions	(14)
	(A)	Explain Process state Diagram in brief.	(7)
	(B)	Write a short note on file system in Unix Operating System	(7)



Q-5		Attempt all questions	(14)
-	(A)	Write a brief note on "UNIX Architecture" with diagram.	(7)
	(B)	Write a Shell Script which print given number is even number or odd number. (N as a Input number)	(7)
Q-6		Attempt all questions	(14)
	(A)	What is VI Editor? Explain in brief.	(7)
	(B)	Write a Shell Script which print given number is prime number or not prime number. (N as a Input number)	(7)
Q-7		Attempt all questions	(14)
C	(A)	Write a brief note on PCB with diagram.	(10)
	(B)	Explain LST Scheduling Policy with example.	(04)
Q-8		Attempt all questions	(14)
	(A)	Differentiate LIFO Versus FIFO	(7)
	(B)	Write a brief note on "Threading in Operating System"	(7)

