## C.U.SHAH UNIVERSITY Summer Examination-2017

## Subject Name : Operating System

	Subject Code : 4CS02OPR1		Branch: M.Sc. CA & IT (Integrated)			
	Semeste	r:2 Dat	e : 04/05/2017	Time : 02:00 To 05:00	Marks : 70	
	(2) 1 (3) 1	Use of Programm Instructions writte	en on main answer booms and figures (if nece	other electronic instrument is p ok are strictly to be obeyed. essary) at right places.	rohibited.	_
Q-1		Attempt the fol	llowing questions:			(14)
	a)		G SYSTEM (2)O G SUITABLE (4) N			1
	b)	Q-2 RTOS Stan (1) Real Time C	ds for	Real Time Operating sense		1
	c)	Q-3 EDF stands (1) Earliest Dea	-	t Deadlock First		1
	d)	-	s for Open (2)Last In F (4) None of the	First Out		1
	e)	-	ynamic Scheduling Po (3)RM (4) All of Abo	•		1
	f)		Scheduling Policy? LST (3)EDF (4)All of	Above		1
	g)		ot operating system? -XP (2) Windows-98	(3) LINUX (4)Orange		1
	h)	DOS stands for (1)Disk Operati (2)Disk Orienta (3)Both (4)None of these	ng System tion System			1
	i)	RTOs is known (1) Real Tin (2) Run-Tin	as ne Operating System ne Operating System ck Operating System			1



	j)	is Priority based scheduling policy.	1
		(1)EDF (Earliest Deadline First)	
		(2)FPS (Fixed Priority Scheduling)	
		(3)RM(Rate Monotonic)	
		(4)All of Above	
	k)	is Fixed Priority based Scheduling policy.	1
		(1) Rate Monotonic (2) Dynamic Monotonic (3) Dynamic Motion (4) None of	
		these	
	l)	Q-12 PCB stands for	1
	ŕ	(1) Personal Control Box (2) Process Control Block (3) Process Control Bus (4)	
		None of these	
	m)	Q-13 Which one is not scheduling policy?	1
	,	(1) Thread (2) Simultaneously (3) Rate Monotonic (4) FPS	
	n)	Q-15 Which command is used to show all login users in UNIX?	1
	,	(1)Who am I	
		(2)Who	
		(3)When	
		(4)None of these	
Attem	pt any f	four questions from Q-2 to Q-8	
Q-2		Attempt all questions	(14)
<b>L</b> =	(A)	Enlist the <b>Types of Operating System</b> . Explain any <b>two</b> in detail.	(7)
	<b>(B)</b>	Enlist the <b>Functions of Operating System</b> . Explain in brief.	(7)
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Q-3	(A) (B)	Attempt all questions Explain Who and Who am I Command in Unix with example. Explain UNIX Architecture with Diagram.	(14) (7) (7)
Q-4		Attempt all questions	(14)

## Explain **ls** Command with all Options Write Various Steps to Change Password in UNIX (A) (7) **(B)** (7)

Q-5		Attempt all questions	(14)
	(A)	Explain Copying, Renaming and deleting file in UNIX Operating System	(7)
	<b>(B</b> )	Explain Unix Standard Streams in brief.	(7)
Q-6		Attempt all questions	(14)
	(A)	Explain ESCAPE Sequence in brief.	(7)
	<b>(B)</b>	Describe PR Command with all options.	(7)



Q-7		Attempt all questions	(14)
	(A)	Explain File Access Modes and Directory Access Modes in brief.	(7)
	<b>(B</b> )	Write a note on Kernel.	(7)
Q-8		Attempt all questions	(14)
	(A)	Enlist five Operating System names. Explain RTOS.	(7)
	<b>(B)</b>	Write a note on Internet Technology	(7)

