Enroll	mont No.		ī	Ivom Soot No		
Enrollment No: Exam Seat No.: C.U.SHAH UNIVERSITY						
	`			ation-201		
				auton 2010	,	
Subjec	et Code: 4CS0	rating System 5BOS1 ite: 30/11/2018		3CA 30 To 01:30	Marks: 70	
(2) (3)	Use of Progra Instructions v Draw neat di	written on main	answer book ar ares (if necessar	r electronic instru e strictly to be obo y) at right places.	ment is prohibited. eyed.	
Que-1	Attempt all th	ne following M	CQs.			[14]
(1)	PCB is associa	ated with	•			
	(a) Operating	System (b) I	Deadlock (c) l	Memory (d) Pr	ocess	
(2)	Poin	ts to the address	s where instructi	ion to be executed	next is stored.	
	(a) Program c	counter (b) I	Pointer (c) l	Register (d) Pr	ocess state	
(3)	Which of the	following is not	t a process state	?		
	(a) Dead	(b) New	(c) Ready	(d) Running		
(4)	Which comma	and is used to ca	reate a file in Ur	nix?		
	(a) ls	(b) cat	(c) mkfile	(d) mkdir		
(5)	Com	mand counts cl	naracters, words	and lines of a file		
	(a) count	(b) cd	(c) wc	(d) tail		
(6)	During execut	tion, if any I/O	request occurs, p	process moves to	state.	
	(a) Running	(b) Ready	(c) Waiting	(d) New		
(7)	User program	s communicate	with OS and rec	quest services fron	n it by making	•
	(a) Service	(b) System ca	all (c) Proc	tess (d) Deadle	ock	
(8)	Which of the	following is not	t an attribute of a	a file?		
	(a) Location	(b) Size	(c) Name	(d) Link		



(d) 1960

(c) 1970

(9) Unix is developed in _____.

(a) 1969

(b) 1979



(10)	is the u	utility that proc	cesses reque	est of us	ser.		
	(a) Tool	(b) File	(c) Kerna	.1	(d) Shell		
(11)	contain	ns files related	to system p	rocesse	es.		
	(a) sbin	(b) proc	(c) mnt		(d) home		
(12)	is called	d light weight p	process.				
	(a) System	(b) Thread	(c) Service	ee	(d) Server		
(13)	The interval fro	m the time of s	submission (of a pro	cess throug	th the time of completion	on is
cal	led						
	(a) Waiting tim	e (b) Submi	ssion time	(c) Th	nroughput	(d) Turnaround time	
(14)	Which of the fo	llowing is not	an operating	g syster	n service?		
	(a) Error detect	ion (b) Error p	prevention	(c) Us	ser interface	e (d) Protection	
Attem	pt any four que	stions from Q	ue-2 to Que	e -8			
1.	Attempt all que Discuss differer Define process.	nt types of open				n.	[14] [7] [7]
1.	Attempt all que What is UNIX? Define vi editor	Explain its arc		_			[14] [7] [7]
1.	Attempt all que What is deadloo Write a note on	ck? Explain cha		of dead	dlock.		[14] [7] [7]
1. 2.	Attempt all que Explain various Explain head an Explain differer	attributes of find tail comman	ds in detail.				[14] [5] [5] [4]
1. 2.	Attempt all que Discuss deadloc Write a short no Explain SJF alg	ck prevention is ote on virtual m	nemory.	ple.			[14] [5] [5] [4]
1. 2.	Attempt all que Explain various Define scheduli Discuss deadloc	system progra ng. Explain FC	CFS algorith	ım with	example.		[14] [5] [5] [4]
Que-8	Attempt all que	estions.					[14]



1.	What is paging? Explain it in detail.	[5]
2.	Explain cd and pwd commands with example.	[5]
3.	Discuss file protection in short.	[4]