KAMANI SCIENCE COLLEGE & PRATAPRAI ARTS COLLEGE, AMRELI SAMPLE PAPER (BCA SEM 4)

Sub: CS – 22: Operating Systems Concepts With Unix / Linux

1	(A)	 Answer the Following: Define Round Robin. Give any four name of OS type. Define Thread. Define OS. 	4
	(B)	Answer any one in brief: 1. Define Batch OS. 2. Define Features point of view OS.	2
	(C)	Answer any one in detail:	3
		1. Explain Threads & Multi-Threads with types.	
		2. Explain Types of OS.	
	(D)	Answer any one: 1. Explain FCFS CPU Scheduling Algorithm. 2. Explain Round Robin with Example.	5
2	(A)	Answer the Following: 1. Define Deadlock. 2. Define Deadlock prevention. 3. Define Paging. 4. Define Frame.	4
	(B)	Answer any one in brief: 1. Define Internal Fragmentation. 2. Define Physical Address.	2
	(C)	Answer any one in detail: 1. What is Deadlock Situation? Explain in detail. 2. Explain Continuous Memory Allocation.	3
	(D)	Answer any one: 1. Explain Virtual Memory Using Paging. 2. Explain Virtual Memory Using Segmentation.	5
3	(A)	Answer the Following: 1. Define cd command. 2 command is used to remove empty directory. 3. Define shell. 4. Define ps command.	4
	(B)	Answer any one in brief: 1. Define who and pwd command. 2. Define ls and mkdir command.	2
	(C)	Answer any one in detail: 1. Explain redirection and piping with example. 2. Explain nice, kill and at command.	3
	(D)	Answer any one: 1. Explain Unix Architecture.	5

2. Explain Unix File System.

4	(A)	Answer the Following: 1. Define variable in shell. 2. Define Keyword in shell. 3. Define System Variable in shell.	4
	(B)	4. Define set and unset. Answer any one in brief:	2
	(-)	1. Define echo.	_
		2. Define positional parameter.	
	(C)	Answer any one in detail:	3
	` '	1. Explain vi editor with modes.	
		2. Explain Decision statements in shell scripting.	
	(D)	Answer any one :	5
		1. Explain loop and array in shell scripting.	
		2. Write a shell code to enter any number and check that number is odd or	
		even.	
5	(A)	Answer the Following:	4
	()	1. Define LILO.	
		2. Define GRUB.	
		3. GPL stands for.	
		4. LDAP stands for.	
	(B)	Answer any one in brief:	2
	()	1. Define DNS.	
		2. Define WINE.	
	(C)	Answer any one in detail:	3
		1. Explain Freeware, shareware and open source.	
		2. Explain installation steps of linux using ubuntu.	
	(D)	Answer any one:	5
		1. Explain installation and managing samba server.	
		2. Explain booting process of linux	