Saraswati College of Engineering, Kharghar Information Technology Department Academic Year 2013-14 (Odd Sem) Unit Test-2

Class/Sem: Third Year/ V	Subject: Computer Graphics & Virtual Reality

Date: 14/10/2013 Duration: 1 Hrs. Marks: 25

Q.1]: Compulsory and solve any Three.

[1] Describe the various warping techniques. [10M]

OR

[1] Describe Halftoning, Thersholding and Dithering in detail.

[2] What are fractals in computer graphics. [5M]

[3] What are the five classic components of VR system. [5M]

[4] Compare boundary fill and flood fill algorithm. [5M]

[5] What are Bezier Curves? [5M]

Saraswati College of Engineering, Kharghar Information Technology Department Academic Year 2013-14(Odd Sem) <u>Unit Test-2</u>

Class/Sem: Third Year/ V				Subject: OSCD						
Date: 14/10/2013		Du	ration:	1 Hrs.		Marl	xs: 25			
Note: Q.1 is comp	ulsory. A	Attempt	any 2 fro	om rema	ining qu	estions.				
[1] What is dea	dlock? W	hat are	four con	ditions r	necessar	y to crea	te deadloc	k? [5M]		
[2] Calculate H sequences:	it and Fau	ılts using	g FIFO,	OPT and	d LRU p	oage repl	acement p	policies for following page		
2 3	5	4	2	5	7	3	8			
Assume page frame size is 3.							[10M]			
[3] What are various buffering techniques? Explain each in detail.							[10 M]			

[4] Given five memory partitions of 100kb,500kb,200kb,300kb,600kb (in order) How would be first fit, best fit, and worst fit algorithms place processes of 212kb, 417kb,112kb and 426kb(in order)?

[10M]

Which algorithm makes the most efficient use of memory and how?

Saraswati College of Engineering, Kharghar Information Technology Department Academic Year 2013-14 (Odd Sem) Unit Test-2

Class/Sem: Third Year/ V Subject: CTNC

Date: 15/10/2013 Duration: 1 Hrs. Marks: 25

Q.1]: Compulsory and solve any Three.

[1] What are various types of traffic? Explain leaky bucket in brief? [10M]

OR

[2] What do you mean by Encryption? Explain Symmetric Key and Asymmetric Key. [5M]

[3] Explain TMN in Detail? [5M]

[4] Explain general GSM Architecture? Also explain different GSM channel used? [5M]

[5] What is difference between Traffic shaping and policing? How can Shaping avoid Policing, explain with a example? [5M]

Saraswati College of Engineering, Kharghar Information Technology Department Academic Year 2013-14 (Odd Sem) <u>Unit Test-2</u>

Class/Sem: Third Year/ V	Subject: Manufacturing Processe	es, Planning and Systems

Date: 15/10/2013 Duration: 1 Hrs. Marks: 25

Q.1]: Compulsory and Attempt any four in remaining.

[Q.1] Write a short note on Group Technology.	[5M]		
[Q.2] Explain Lean manufacturing.	[5M]		
[Q.3] Explain Ergonomics with its importance in manufacturing industry.	[5M]		
[Q.4] Explain role of forecasting in Capacity planning.			
[Q.5] Explain in brief the Make-to-stock (MTS) manufacturing environment.	[5M]		
[Q.6] Write a short note on product layout .	[5M]		
[Q.7] What are purpose of automation.	[5M]		

Saraswati College of Engineering, Kharghar Information Technology Department Academic Year 2013-14(Odd Sem) <u>Unit Test-2</u>

Class/Sem: Third Year/ V

Subject: Object Oriented Analysis & Design

[5M]

Dotos	17/10/2012	Duration, 1 Hrs	Mortes 2	5	,	_	
Date: 17/10/2013		Duration: 1 Hrs.	Marks: 2	Marks: 25			
Note:	Q.1 is compulsory and s	solves any one question	n from rema	aining Two.			
Q.1]:	Draw Sequence Diagra	m for Withdrawals from	n ATM?				
Q.2]:	•	Cohesion, Coupling an	d Abstractio	n and Reusability.	[5M]		
[B] Explain Si	[B] Explain Single Ton	e design pattern			[5M]		
	[A] Write Short Note o	n Alpha and Beta Testi	ng		[5M]		
	liagram for E-commerc	e Application	n.	[5M]			
Q.4]:	[A] Differentiate-White	Box Testing and Black	k box Testing	g with suitable exar	mples. [5M]		

[B] Draw State Diagram for vending machine.

Saraswati College of Engineering, Kharghar Information Technology Department Academic Year 2013-14(Odd Sem) Unit Test-2

Class/Sem: Third Year/ V Subject: OSSL

Date: 17/10/2013 Duration: 1 Hrs. Marks:25

Note: Each Question carries 5 marks.

Q.1]: Exlain the following commands with syntax:cd, ls, cp, mv, cat.

Q.2]: Which command can be used for changing file permissions. Explain details.

Q.3]: What is a vi editor? Explain modews of vi editor.

Q.4]: Write a script to check a year is leap year or not.

Q.5]: Explain for and while loop in shell script with syntax.