L15]

SARDAR PATEL UNIVERSITY

Examination Sixth Semester (CBCS)

Fiday, Date: 7/7/2022 Time: 10:00 am to 12:00 pm

Session: Morning



Course Code: US05CBCA02

Course Title: COMPUTER GRAPHICS

Total	Marile	\cdot 70

	tiple Choice Questions.(Atter	-	1 Cintannitar value
			stored as a set of intensity values.
A.	Random scan	C.	Proper scan
В.	Raster scan	D.	None of the above
	controls the brightne		
A.	Focusing system		Control grid
В.	Deflection plates	D.	Magnetic coils
	on-zero winding number rule,	point is co	nsidered exterior if value of
wind A.	ling number is Zero	C.	1
	·		
В.	-1	D.	Non-Zero
	type has small lines or a Serif	ccents at 11 C.	ne end of the main character. Sans-serif
		D.	Fonts
В.	Symbols		
4		extending	the outer boundaries of each of the
	lines until they meet.	-	D 1
Α.	Bevel	C.	Round
В.	Miter	D.	Square
		tem, intens	sity value of white color is
А. В.	0.0 0.33	D.	1.0 0.67
	ling geometric transformation		0.07
A.	alters size	C.	changes the orientation
В.	produces mirror image	D.	None of the above
May	imum size of the stage is	in Fl	LASH
A,	2440 * 2440 pixels	C.	2880 * 2880 pixels
В.	2550 * 2550 pixels	D.	2580 * 2580 pixels
	animation are	indicated	by a black dot at the beginning
keyf			black arrow with a light-green
-	ground.		
A.	Frame-by-Frame	C.	Motion Tween
В.	Shape Tween	D.	Guided Motion
Defa	ult background color of stage	in FLASH	I is
A.	Red	C.	Black
В.	White	D.	Blue

Q2.	Fill in the blanks and True/False. [One mark each] Beam penetration method generates number of colors.	[88]
2.	is the equation for straight line.	
3.	A rotation is applied to an object by repositioning it along a	
4.	Extension of flash file is	
5.	Pactor scan is also known as calligraphic display. (True/Paise)	
6.	Hollow style is displayed in a single color up to and including the borders of the region. (True/False)	
7.	region. (True/False) Area on the display device to which the window is mapped is called Viewport.	
8.	(True/False) Guided path animation helps object to move on the specific path. (True/False)	
Q3.	Answer the following short questions (Attempt any TEN) [Two marks each]	[20]
	Define Resolution.	
1.	List main components of electron gun.	
2.	c_{DMCP}	
3.	List disadvantage of DVS1. Write only procedure for Flood Fill algorithm using 4 connected approach.	
4. 5.	Explain gray scale in brief.	
5. 6.	List different Geometric Transformations?	
7.	Define Clipping.	
8.	and the state of t	
9.	Explain window-to-viewport coordinate window transformation.	
10.	grave and and lasso 1001.	
11.	to a stop actions used in FLASH.	
12.	e got 15	
Q4	. Answer the following long questions (Attempt any FOUR) [Eight marks each]	[32]
	_ + + 1 + it with labeled diagram.	
1. 2.	Explain advantages of Flat panel devices over CRT. Experience	
3.	. Explain Boundary Fill Algorithm and Flood Fill Algorithm	wing
4	Explain concept of line drawing in brief. And write steps 193	on in
5		
(detail. Explain in detail Cohen Sutherland line clipping algorithm. Explain in detail Cohen Sutherland line clipping algorithm.	
,	Explain in detail contents with example in detail. Explain tween animations with example in detail.	
;	8. Explain following concepts in detail. (2) Example by Frame animation ii) Onion Skinning	
	i) Frame by Frame animation ii) Onion Skinning	