Seat No:____ Enrollment No:____

PARUL UNIVERSITY

FACULTY OF IT & COMPUTER SCIENCE

		BCA Summer 200-23 Examination			
Seme Subje		e: 4 Code: 05101301	Date: 31/03/2023 Time: 10.30am to 1.00pm		
Subject Name: Computer Graphics Total Mark					
 Instr					
l. Al	l que	estions are compulsory.			
		s to the right indicate full marks.			
		suitable assumptions wherever necessary.			
1. Sta	ırt n	ew question on new page.			
_		swer the followings.			
A.		fine the following		(05)	
		Reflection			
		Resolution			
		Image Noise			
	4. ~	Quantization			
	5.	Computer Graphics		(4.0)	
В.		ultiple choice type questions/ Give the sentence true or false. (Eac		(10)	
	1.	In graphical system, the array of pixels in the picture are stored in _	·		
		a) Memory			
		b) Frame Bufferc) Processor			
		d) None			
	2.	stores the picture information as a charge distribution bel	aind the phosphor-coated		
	۷.	screen.	ma the phosphor coated		
		a) Cathode ray tube			
		b) Direct-view storage tube			
		c) Flat panel displays			
		d) 3D viewing device			
	3.	The primary output device in a graphics system is			
		a) Scanner			
		b) Video monitor			
		c) Neither a nor b			
		d) Printer			
	4.	A translation is applied to an object by repositioning it along with st	traight line path from one		
	_	location to another.(True/False)			
	5.	Shearing is also termed as			
		a)Selecting			
		b) Sorting c) Scaling			
		d) skewing			
	6	A continuous image is digitized at points.			
	0.	a) random			
		b) vertex			
		c) contour			
		d) sampling			
	7.	The process of selecting and viewing the picture from different view	vs is called .		
		a. Windowing c. Projection			
		b. Clipping d. both a and b			
	8.	The centre region of the screen and the window can be represented a	as		
	٥.	a) 0000 c. 0110	<u></u>		
		b) 1111 d. 1001			

	A. filtrationB. image acquisitionC. image enhancementD. image restoration				
	 You can draw and edit objects in one layer without affecting objects in another layer in Flash. (True/False) 				
Q.2	Answer the followings. (2 or 3 Mark Questions.) (Three Q- 2 marks & Two Q-3 marks.) 1. What is clipping? List out various types of clipping. Explain point clipping in detail. 2. Explain the different types of polygon 3. List and explain the steps of window to viewport mapping. 4. What is Digitization? 5. What is Frame and Keyframe? 6. What is the role of a frame buffer?	(15) (03) (03) (03) (02) (02) (02)			
Q.3	Answer the following. (Any three) 1. Draw and explain Mid-Point Circle generating algorithm. 2. List and explain the different MPEG formats. 3. What is Tween?. List and explain different types of tween that can be given to object in Flash?	(15)			
0.4	4. Explain the steps of Digital Image Processing.				
Q.4 A. B.	Algorithm. What is CRT? Draw and explain the construction and working of CRT. Write its advantages and	(05) (10)			
	OR				
В.	Draw and explain Boundary Value analysis along with its advantages and disadvantages.	(10)			

9. Which is first fundamental step in image processing