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	Roll N	No.	B.Tech. (CSE)(Sem5 th) COMPUTER GRAPHICS Subject Code: CS-309	Total No. of Pages: 02 Total No. of Questions: 09	
			Paper ID: [A0468]		
Time: 3 Hrs.			Max. Marks: 60		
	1. 2.	Sectio Attem	IONS TO CANDIDATE: on-A is compulsory. pt any four questions from Section-B. pt any two questions from Section-C.		
SECTION-A					
	Q1.	a)	Briefly: What are spline curves?	(10x2=20)	
		b) c)	What is clipping? Define the term aspect ratio.	col	
N	615	d) e)	Define the term antialiasing. Differences between Windowing and Viewing.	aper.	
		f)	What do you mean by shading of objects?		
		g)	Write down shear transformation matrix.		
		h)	Define fractals.	000	
		i)	What is scaling?	X	
		j)	What is Raytracing.		
SECTION-B					
	Q.2.	Differ	rentiate parallel and perspective projections and derive t	(4x5=20)	
	$\times \cdot - \cdot$		endade paramer and perspective projections and derive	nen projection mutices.	

- Q.3. Explain the midpoint circle drawing algorithm. Also draw as you Assume 10 cm as the radius and co-ordinate origin as the centre of the circle.
- Q.4. What are vanishing points? What are the specifications of 3D view?

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- Q.5. Write short notes on : (any two)
 - a) Bezier curves
 - b) B-sline curves
 - c) Rendering
- Q.6. Give DDA line drawing algorithm. Explain with suitable example.

SECTION-C

- O.7. What are the different video display devices. Explain (any one) its working in detail.
- Explain the z-buffer algorithm. What are the advantages and disadvantages of using a Q.8. z-buffer algorithm?
- www.brpaper.com Q.9. Describe scan line polygon filling algorithm with a suitable example.

MNNN.

(2x10=20)