Total No. of Ques	tions : <b>9</b> ]	[ Total No. of Pag	ges : <b>3</b>
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	CA 5th Semes (Full & Rea camination, M	ppear)	
CO	OMPUTER G	RAPHICS	
	Paper-BCA	x-302	
Time : <b>Three</b> Hours	]	[ Maximum Mark	ks : <b>80</b>
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Note: Attempt from each All quest  1. (a) Explain	five questions in the Unit. Questions carry equ	and complete question entertained after examinated after examinated all, selecting one qualion No. 1 is computed marks.  Graphics Systems.	paper. nation. estion
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	(d)	Explain Reflection Transformation in 2-D	5	Define Cyrus-beck line clipping algorithm.
		Transformations.	: •	Explain its advantages and disadvantages over
	(e)	Define Emissive Devices.		Cohen-Sutherland algorithm.
	(f)	Define persistence in CRT.		Unit-III
	(g)	Explain Uniform B-spline Curve.	6	Write short notes on the following:
	(h)	Explain Scaling Transformation in 3-D Transformations. $2\times8=16$		(a) Hermite Curve
	Unit–I			(b) Bezier and B-Spline Surfaces
	(a)	Define Video Display Devices.	7	Define the various Polygon-rendering Methods.
	(b) Differentiate between Raster Scan and			Explain in detail.
	, ,	Random Scan Systems.		Unit-IV
3.	(a)	Explain Mid-point Circle Algorithm.	8	Explain Translation, Shearing and Rotation in
	(b)	Explain Scan Line Polygon Fill Algorithm. 16		three dimensional transformations. How these
		Unit–II		transformations produce effects to the graphics
4.	Wha	at are two dimensional transformations?		objects?

**RD-568** 

9. What is Viewing Pipeline ? How viewing

operation is performed in 3-D Geometry?

(3)

16

16

matrix ?

Explain how transformations are represented in

2.

3.