5/H–73 (vi) (a) (Syllabus–2015)			(2)		
	Odd Semester, 2020		Unit—II		
	( Held in March, 2021	)	3.	Explain the Bresenham's line drawing algorithm.	ç 8
	COMPUTER SCIENCE		4.	Explain scan-line polygon fill algorithm.	8
	( Honours )			Unit—III	
( CS-502AT )		5.	Explain, with examples, three basic trans- formations.	8	
	( Computer Graphics )				
Marks : 38		6.	Find the transformation matrix for general pivot point scaling.	l 8	
	<i>Time</i> : 2 hours				
				Unit—IV	
The figures in the margin indicate full marks for the questions			7.	Describe the Liang-Barsky line clipping algorithm.	; 5
Answer <b>one</b> question from each Unit		8.	Explain one method to clip a line when the clip window is an ellipse.	, 5	
	Unit—I			Unit—V	
1.	Explain the following :	4+4=8	9.	Use Hermite spline algorithm to find five- pixel coordinates to draw a curve passing	7
	(a) Virtual-reality system			through (5, 5) and (10, 10). Assume required	l
	(b) Raster scan system			parameters.	9
2.	Write short notes on the following	g: 4+4=8	10.	Suggest one method to improve Bezier curve	; 0
	(a) 3-D viewing device technolog	У		urawing algorithm.	9
	(b) Color CRT monitor			* * *	
4-21 <b>/111</b>		( Turn Over )	4-2	1/111 5/H-73 (vi) (a) (Syllabus-2	2015)

4-21**/111**