		Duration: 3hrs [Max Marks:8	0]
N.	B.:	 Question No 1 is Compulsory. Attempt any three questions out of the remaining five. All questions carry equal marks. Assume suitable data, if required and state it clearly. 	CALAR
1		Attempt any FOUR	[20]
	a	What are the different types of coordinate system. Explain with example.	
	b	Explain DDA line drawing algorithm.	
	c	What is 2D transformation? Write 2D matrix of each one.	
	d	Explain Koch Curve.	
	e	Differentiate Lossy Compression and Lossless Compression.	
2	a	Explain Midpoint algorithm for circle.	[10]
	b	Explain Flood Fill Algorithm along with source code.	[10]
3	a	Explain Liang-Barsky Clipping Algorithm.	[10]
	b	Explain lossless Compression algorithm in detail.	[10]
4	a	Explain 3D composite transformations.	[10]
	b	What are the types of Video signals? Explain Video file format. Also explain	[10]
		Audio data format and structure.	
3	a	Explain in detail about Fractal Dimension.	[10]
	b	Explain Cohen- Sutherland Line clipping algorithm.	[10]
6	a	Explain WAV file format in detail.	[10]
	b	Explain different Clipping operations.	[10]

29440