

Sr.No.6646

Exam Code: 105706
Subject Code : 1451

**B.Sc. (Information Technology) - 6th Semester
(2721)**

Paper-I Opt (i) Computer Graphics

Time allowed: 2 hrs.

Max. Marks: 75

Note: There are EIGHT questions of equal marks. Candidates are required to attempt any FOUR questions.

Section-A		
1.	a. What are the hardware and software requirements for Computer Graphics? b. Explain applications of Computer Graphics in the Entertainment Industry?	
2.	What is clipping? Discuss the advantages of clipping? How is clipping applied on a line?	
Section-B		
3.	Explain differences in a. Simple and composite transformations? b. 2D and 3D transformations?	
4.	Explain transformations for a 3D object?	
Section-C		
5.	What is a Hidden surfaces in an image? What are the different methods for hidden surface removal? how are they different\similar?	
6.	Explain the Z buffer algorithm and its limitations?	
Section-D		
7.	What is a projection? Discuss its different types?	
8.	Draw a comparison between different projection types?	

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