

Code :R7310503

**R7**

III B.Tech I Semester(R07) Supplementary Examinations, May 2011

**COMPUTER GRAPHICS**

(Common to Computer Science & Engineering, Information Technology, Computer Science  
& Systems Engineering, Electronics & Computer Engineering)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions  
All questions carry equal marks

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1. (a) Explain any four input devices in detail.  
(b) Discuss in detail about the flat panel display devices.
2. (a) Write the mid point circle algorithm and explain with example.  
(b) Explain the generation of line by using DDA algorithm.
3. (a) Write a short notes on composite transformations.  
(b) Explain in detail about reflection and shear.
4. (a) Explain the two dimensional viewing transformation.  
(b) Explain the Cohen Sutherland line clipping technique.
5. (a) Mention the properties of B-Splines.  
(b) Give brief description about cubic and periodic B-Splines.  
(c) Write a short notes on Gouraud Shading.
6. (a) Give brief description about three dimensional rotations.  
(b) What is projection. Explain parallel projection in detail.
7. (a) What is object space method. Explain the depth sorting method in detail.  
(b) What is the purpose of area sub division method. Explain it.
8. (a) Define morphing. Explain it in detail.  
(b) Write a detailed note about the motion specifications.  
(c) What are the steps involved in designing of animation. Explain.

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