

Code: CS5T3, EM5T2

III B.Tech - I Semester – Regular Examinations - November 2014

COMPUTER GRAPHICS
(Common for CSE & ECM)

Duration: 3 hours

Marks: 5x14=70

Answer any FIVE questions. All questions carry equal marks

1. a) Explain in brief about Synthetic camera Model. 7 M
b) Discuss about the applications of computer graphics in the area of image processing. 7 M
2. a) How do you display points in Open GL? Explain in brief about Basic Open GL Primitives. 7 M
b) Explain in brief about Open GL Interface. 7 M
3. a) Explain in brief about event handling with J Query. 7 M
b) Explain in brief about Animating Interactive Programs. 7 M

4. a) Explain in brief about Translation and Rotation Matrices. 7 M
- b) Explain in brief about Affine Transformations. 7 M
5. a) Explain in brief about Transformations in Homogeneous coordinates. 7 M
- b) Explain in brief about the Interfaces to Three dimensional Applications. 7 M
6. a) Differentiate between Parallel and Perspective projection Matrices. 7 M
- b) Explain in brief about Interactive mesh displays. 7 M
7. a) Explain in brief about Polygon shading. 7 M
- b) Explain in brief about Light sources in open GL. 7 M
8. a) Explain in brief about Bresenham's algorithm. 7 M
- b) Explain in brief about Polygon Clipping. 7 M