Subject Code: MC1349/R13

M C A - IV Semester Regular Examinations, June/July - 2015

COMPUTER GRAPHICS

Time: 3 hours **Max Marks: 60**

Answer any FIVE of the following
All questions carry equal marks
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1 Explain about different line drawing algorithms

2 a) Explain about cohen-sutherland line clipping algorithm.
b) Discuss about homogenous coordinates.

3 a) What is hermite curve? Discuss.
b) Explain about illumination models.

4 a) What is depth sorting? Discuss.
b) Explain about the back face detection algorithm

5 a) Explain about different functions of computer animation.
b) Discuss about the computer animation languages.

6 a) Discuss about mid-point ellipse algorithm
b) Explain about scan line polygon fill algorithm.

7 a) What is reflection and shear transformation? Discuss with examples.
b) Discuss about Sutherland Hodgeman polygon clipping algorithm with example.

8 a) Discuss about Bezier and B-Spline surfaces
b) Discuss about 3D transformations with examples.

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Subject Code: MC947/R09

M C A - IV Semester Supplementary Examinations, June/July - 2015

DISTRIBUTED OPERATING SYSTEMS

Time: 3 hours **Max Marks: 60**

Answer any FIVE of the following

All questions carry equal marks

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1. a) What is a Distributed System? What are the design goals of distributed systems?
   b) Explain the Thread usage in Distributed System and Non-Distributed System.

2. a) What are the Home based and Hierarchical based approaches in Locating mobile entities?
   b) Describe linking and mounting with an example.

3. a) Explain the Token Ring algorithm and Distributed Algorithm.
   b) Write briefly about Lamport's algorithm which synchronizes logical locks.

4. a) Describe Briefly about Monotonic Reads and Writes with their conditions.
   b) What is Sequential Consistency? Explain Briefly.

5. a) Write a short note on Process Resilience?
   b) Describe various types of failures in Fault tolerance.

6. Give the overview of Globe. List the differences between Globe and CORBA.

7. a) Describe transactional behaviour in sharing files in Sun network file system.
   b) Describe about file locking in NFS.

8. a) Briefly discuss about JINI distributed system
   b) What is the Taxonomy of the Coordination Models? Explain how the principle of exchanging data items between publishers and subscribers with a neat diagram.

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