

Anna University – Regulation 2013

Part – B Important Questions – 5th Semester BE/BTECH

IT6501 GRAPHICS AND MULTIMEDIA

Unit I-V

1. explain Bresenham's line drawing algorithm with example
2. Write down and explain the midpoint Ellipse algorithm assume 8 cm as the radius along x axis, 6 cm as the radius along y axis and coordinate origin as the centre of the Ellipse
3. Given a Circle radius $r=10$, we demonstrate the midpoint circle algorithm by determining positions along the circle octant in the first quadrant from $x=0$ to $x=y$
4. Explain cohen Sutherland line clipping algorithm
5. Explain 2D geometric transformations
6. Explain in detail about rotations in 3D Space
7. Discuss (a) Parallel Projections (b) Spline representation (c) Bezier Curves (d) Depth-Buffer Method for visible Surface Detection
8. Explain visible surface detection methods in detail
9. Explain various color models
10. Explain in Detail about 3D geometric Transformations
11. Explain multimedia system architecture
12. Explain Multimedia databases.
13. Explain Multimedia elements and its applications
14. Explain Transaction management for multimedia system
15. Explain different file formats used in multimedia
16. Write short notes on Evolving technologies for multimedia
17. Explain about JPEG Compression
18. Explain in detail about RAID technology for multimedia systems
19. Explain (a) TIFF (b) image compression schemes. (c) Voice recognition system (d) Optical drives (b) CCIIT
20. Explain TWAIN architecture
21. Explain distributed multimedia systems and discuss about the components of a distributed multimedia systems
22. Explain hypermedia messaging and its applications
23. Explain (a) authoring systems (b) integrated document management