

Computer Graphics

Assignment Test – 1

Part A (2 Marks each)

1. Explain the basic concepts of Computer Graphics
2. Briefly explain the applications of computer graphics in medical field
3. What is meant by data visualization? How it is used in scientific and business applications.
4. Distinguish between Raster scan and Random scan displays
5. Explain the impact of computer graphics in entertainment industry
6. Explain in detail about display files
7. What is interactive graphics system?
8. Explain about touch panels
9. What are the disadvantages of Direct View Storage Tubes (DVST)
10. What are the methods used to reduce memory requirements in raster display systems.
11. What are the requirements for producing high quality graphics on raster scan displays?

Part B (4 Marks each)

12. Explain Graphical Input and Output devices
13. Explain in detail the video controller refresh operations with diagram
14. Explain with a neat diagram the display processor for raster scan display device. What is the difference between its roles in random scan and raster scan display devices?
15. Explain in detail the applications of raster scan graphics
16. Explain General purpose graphics programming package with special mention to standardization.