

2016
MCA
MCA 4.5

COMPUTER GRAPHICS

Full Marks : 75

Time : 3 hours

The figures in the margin indicate full marks for the questions

1. Write is computer graphics? What are the components of computer graphics?
2. Describe about CRT.
3. Explain about shadow mask method.

Or

Explain about direct view storage tube.

4. What are the difference between random scan and raster scan display system?
5. Explain about the mid-point circle algorithm.

Or

Briefly describe about Bressenham's line drawing algorithm.

6. Write about line drawing algorithm.

(1)

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7. Explain about DDA algorithm.
8. Write the short note on line attribute /curve attribute.
9. What are the components of basic transformation of 2D and explain any two of them.
10. Write the composite transformation for translation.
11. Explain about reflection of 2D transformation.

Or

Explain about Cohen-Sutherland line clipping.

12. Write about window-to-viewport.
13. Write about curve clipping / text clipping.
14. Briefly describe about any one components of 3D transformation.

Or

Write about depth buffer method.
