

UDHC-BCA (503)

5th sem Graphic Design.

Full Marks : 70

Time :3 hours

Answer any five questions.

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

1(a) What is computer graphics ? What are the difference between Random Scan System and Raster Scan System ?(6)

1(b) What are the input devices of computer graphics ? (7.)

2. Explain DDA line drawing algorithms. (14)

3. Consider a line from (2, 5) to (10, 10). Apply Bresenham's line drawing algorithm to plot the line. (14)

4. What do you mean by 2D Transformation ? Write about translation, rotation, scaling. (14)

10. Write short notes on :7x2

(a) Polygon clipping

(b) Graphics software.

5. What is clipping ? What do you mean by point clipping ? Write down Cohen-Sutherland line clipping Algorithm. (14)

6. What is 3D Transformation ? Write about 3D Translation, Rotation and Scaling Transformation. 14

7. Write short notes on : (7 x 2)

faTParallel projection

Perspective projection

8. Write short notes on: (7x 2)

(a) 3D clipping

(b) Multimedia database

9. What is Multimedia ? What are the various application of Multimedia ? What are the technology used in Multimedia system ? Explain. (14)

By;

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