Dec 13 (KUK)

Roll No.

Total Pages : 03

BT-8/D-13

8802

INTERACTIVE COMPUTER GRAPHICS

CSE-404 Dair HI

Time: Three Hours]

[Maximum Marks: 100

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Unit I

- Describe working principle of DVST.
 - Explain the construction and working of Raster Scan Display.
- 2. Explain the following:
 - (a) Colour Printer
 - (b) High Speed Drawing.

Unit II

- Distinguish between screen rdinate and 3. (a) user coordinate.
- (b) What are Homogeneous Coordinates ? WW. Explain their uses

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- 4. (a) Describe the 2-D transformation matrix for rotation about arbitrary point.
 - (b) Write down and explain the Bresenham's circle drawing algorithm.

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- 8. (a) Explain the 3-d transformation for translation, rotation, scaling ? Write the matrix representation for these transformations. 10
 - (b) Write and explain shading algorithm.

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