2022

BCA (Honours)

Paper Code : DC-12A

[Computer Graphics]

(CBCS)

Full Marks : 25   Time : Two Hours

The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.

Group - A

Answer any *five* questions :   2×5=10

1. (a) What is raster scanning?

   (b) Differentiate between Graphics and Animation.

   (c) Show that the two successive scaling are multiplicative.

   (d) Explain the differences between Raster and Vector scan displays.

   (e) Write short note on flood fill.

   (f) Distinguish between parallel and perspective projections.

P.T.O.

Group - B

Answer any *three* questions :   5×3=15

2. Explain 3D transformations using Homogeneous co-ordinate system.

3. Draw a line from (1,2) to (7,5) by using DDA algorithm.

4. Illustrate Cohen-Sutherland clipping algorithm.

5. Given the centre point coordinates (4, − 4) and radius as 6, generate all the points to form a circle by applying mid-point circle drawing algorithm.

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