U.G. 5th Semester Examination 2021

Computer Application (B.C.A)
(Honours)
Paper Code : DC-12(a)
Computer Graphics
[CBCS]

Full Marks: 32   **Time: 2 hours**

The figures in the margin indicate full marks.

Group -A

Answer any five questions.   (2 × 5=10)

1. (a) What is Resolution of a monitor?

    (b) What is Translation?

    (c) What is scaling in computer graphics?

    (d) Name the primary colours of the RGB colour model.

    (e) What do you mean by Emissive and Non-emissive Displays?

    (f) What is morphing?

Group -B

Answer any three questions.   (5 × 3=15)

2. Discuss the working principles of monochrome CRT monitors with diagram.   5

3. (a) Differentiate between parallel Projection and Perspective Projection.

   (b) Perform a 45º rotation of triangle A(0,0), B(2,1), C(5,2) about the origin.   (2+3)=5

4. Magnify the triangle with vertices A(0,0) , B(2,1), and C(5,2) to twice its size while keeping C(5,2) fixed.   5

5. Write a short note (any one):   5

(a) Shearing   (b) Reflection