LJ-436

M.Sc. Computer Science

3rd Semester Examination, July-Dec., 2020

Paper - II

Computer Graphics

Time : Three Hours] [*Maximum Marks* : 100

Note : Answer any **two** parts from each question. All questions carry equal marks.

Unit-I

1. (*a*) Distinguish between Raster and Random scan display system.

(*b*) Explain the function of color CRT monitor.

(*c*) Explain Graphics software and Graphics function.

Unit-II

2. (*a*) Explain the Line drawing algorithms.

(*b*) Explain the scan-line polygon fill.

(*c*) Explain Boundary fill.

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Unit-III

3. (*a*) What is transformation ? Explain two dimensional transformation.

(*b*) What is reflection ? Explain it.

(*c*) What is projection ? Explain it.

Unit-IV

4. (*a*) Explain Bezier surfaces.

(*b*) What is cubic spline ?

(*c*) Explain term hidden surfaces.

Unit-V

5. (*a*) What is fractals ? Write its various applications.

(*b*) What is shading ? Explain types of shading.

(*c*) Explain the color models.

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