

Delhi Institute of Technology and Management, Sonipat

Assignment No. – I

Subject: Computer Graphics & Multimedia

Time: Submit within 7 days

Subject Code: ETCS-211

Max. Marks: 30

Date: 1 Nov. 2021

Note: Attempt any five questions. All questions carry equal marks.

1. Explain the Various Input Devices
2. Explain in detail about the Line drawing DDA scan conversion algorithm?
3. Calculate the pixel location approximating the first octant of a circle having centre at (4,5) and radius 4 units using Bresenham's algorithm
4. What is DDA? What are the disadvantages of DDA algorithm?
5. Explain the following basic two dimensional geometric transformations(i)Translation (ii)Rotation
6. Write about Cohen-Sutherland line clipping algorithm with an example.
7. Write short notes on Bezier curve and spline.
8. Write notes on illumination model.

**Prepared By:
Mrs. Preeti Nehra**