विश्वजीवनामृतं ज्ञानम्

Atal Bihari Vajpayee Indian Institute of Information Technology & Management, Gwalior

IT303: Computer Graphics

Minor Examination (Session 2023–24)

Maximum Time: 1.5 Hours   Max Marks: 25

Note: Attempt all questions. Use neat diagrams wherever necessary.

1. Explain the working of the Bresenham line drawing algorithm with an example. (5 Marks)

2. Differentiate between raster scan and random scan display systems.   (5 Marks)

3. Derive the equations for 2D translation and rotation transformations.   (5 Marks)

4. Explain the concept of homogeneous coordinates in computer graphics. (5 Marks)

5. Write short notes on: (a) Frame buffer (b) Scan conversion   (5 Marks)