Exam. Code : 105706 Subject Code: 1577

B.Sc. Information Technology Semester-VI COMPUTER GRAPHICS

Paper-I

Time Allowed—3 Hours]

[Maximum Marks—75

Note: There are total EIGHT questions, attempt any five. All questions carry equal marks.

- Explain various applications of computer graphics. 1.
- Write and explain any ellipse drawing algorithm. 2.
- What is difference between LCD and LED? Explain 3. the working of CRT.
- Explain various simple and composite 3D 4. transformations. Give examples.
- What is hidden surface? What is meaning of visible 5. surface detection? Explain Z-buffer algorithm.
- Explain various parallel and perspective projections. 6.
- Explain the following terms: 7.
 - (a) Refresh Rate
 - (b) Dot Pitch
 - (c) Boundary Fill and Flood Fill.
 - (d) Pixel Phasing
 - (e) Shearing.
- Explain the following: 8.
 - (a) Line Clipping
 - (b) Raster Scan Vs. Random Scan.

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