Exam. Code : 107206
Subject Code : 1764

Bachelor of Computer Application (BCA) 6th Semester
COMPUTER GRAPHICS
Paper—I

Time Allowed—3 Hours]   [Maximum Marks—75

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

1. Explain the applications of Computer Graphics in the entertainment Industry.   15

2. List different display devices. Explain the working of CRT monitors.   5,10

3. List various line drawing algorithms. Explain Bresenham's line drawing algorithm.   15

4. Write the algorithm to draw an ellipse. Convert this algorithm to a C program.   8,7

5. What is the significance of transformation ? Explain basic transformation operations.   5,10

6. What is Projection ? What are the different types of projections ? Discuss their applications.   2,8,5

7. Explain 3D transformation with details of the matrix representations at various stages.   15

8. List and explain graphics related functions available in C language.   15

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