

**Exam. Code : 107206**

**Subject Code : 2153**

**Bachelor of Computer Application (BCA) 6th Semester**

**COMPUTER GRAPHICS**

**Paper-I**

Time Allowed—3 Hours]

[Maximum Marks—75

**Note :—** Attempt any five questions.

1. Define computer graphics. Discuss various elements of a graphics system. 15
2. Write short notes on Raster and Vector displays, Graphics Software. 15
3. List the different line drawing algorithms. Explain any one algorithm with example. 15
4. What is clipping ? How is it useful ? Explain any one clipping algorithm. 15
5. Differentiate between window port and viewport. Demonstrate window-to-viewport transformations. 15
6. What is a projection ? List and explain various types of projection. 15

7. Write a C program to draw an eclipse. Test your program with two different data sets. 15
8. List and explain graphics related functions available in C language. 15