

**Exam. Code : 107206**  
**Subject Code : 1735**

**Bachelor of Computer Application (BCA) 6<sup>th</sup> Semester**  
**COMPUTER GRAPHICS**

**Paper-I**

Time Allowed—2 Hours] [Maximum Marks—75

**Note** :— There are **Eight** questions of equal marks. Candidates are required to attempt any **Four** questions.

1. What is use of Computer vision ? What is difference between random scan and raster scan ?
2. Explain different types of technologies used in display devices.
3. Write and explain Bresenham's Circle generating algorithm.
4. (a) Explain any three types of transformations.  
(b) Explain DDA line drawing algorithm.
5. What is Clipping ? Explain Cohen Sutherland line clipping algorithm, give an example.
6. What is difference between window port and view port ? Demonstrate window-to-viewport transformations.
7. What is projection ? What is its use ? Explain different types of parallel projections.
8. What is 3D coordinate system ? Explain 3D transformation.

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