

# AE-821

M.Sc. (Previous)  
Term End Examination, 2016-17

# COMPUTER SCIENCE

## Paper - VIII

Computer Graphics and Multimedia

*Time : Three Hours]      [Maximum Marks : 100*  
*[Minimum Pass Marks : 36*

**Note** : Answer any **five** questions. All questions carry equal marks.

1. Explain Bresenham's algorithm and Bit map method of character generation.
2. What is Line and Line Segment ? Explain line drawing algorithm in detail.
3. Explain Scaling Transformation and Translation Transformation with suitable diagram.

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4. Explain Cohen-Sutherland line clipping algorithm.
  5. Explain Hidden Surface Problem. How can they be removed ? Explain.
  6. What is an Image ? Discuss image animation techniques in detail.
  7. Explain the following in brief :
    - (a) Point Source Illumination
    - (b) Parallel Projection
  8. What is Multimedia ? What are different multimedia devices ? Explain them in brief.
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