

**AE-1317**

B.C.A. New Course (Part - II)  
Term End Examination, 2016-17

BCAYT - 205

Computer Graphics and Multimedia

*Time : Three Hours]                      [Maximum Marks : 100*  
*[Minimum Pass Marks : 33*

**Note** : Answer from **both** the Sections as directed.  
The figures in the right-hand margin indicate marks.

## Section - A

Answer the following short answer type questions :  $2\frac{1}{2} \times 10$

1. (a) What are the applications of Computer Graphics ?  
(b) Define Computer Graphics.  
(c) What is Multimedia ?  
(d) Define Cathode Ray Tube (CRT).  
(e) Define Viewing.

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- (f) Explain Bezier Curve.
- (g) What is Adobe Photoshop ?
- (h) How does red eye tool works ?
- (i) Define Coreldraw.
- (j) Explain dipart in CorelDraw.

**Section - B**

Answer any **one** part from each questions :      15×5

- 2. (a) Explain any one line drawing algorithm with suitable example.  
(b) Explain flood fill algorithm with the help of example.
- 3. (a) Explain the following :
  - (i) Basic 2D geometric transformations
  - (ii) Homogeneous co-ordinates(b) Explain the various polygon clipping algorithm.
- 4. (a) What is Parallel Projection ? Differentiate parallel projection from perspective projection.  
(b) Explain all 3D geometric transformations with suitable examples.
- 5. (a) What are the basic tools available in Photoshop ? Explain in detail.

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- (b) Explain the following in Photoshop :
    - (i) Working with multiple images
    - (ii) Creating straight and curved paths
  - 6. (a) Explain drawing and editing curves in CorelDraw. Also explain drop shadows.
  - (b) Explain the following in CorelDraw :
    - (i) Templates
    - (ii) Creating a Master layer
    - (iii) Power clip feature
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