

**August 2011**

Bachelor of Computer Application (BCA) Examination  
VI Semester

**Computer Graphics and Multimedia**

Time : 3 Hours ]

[ Max. Marks : 50

**Note :** Attempt any Five questions. All questions carry equal marks.

1. (a) Explain in brief about application of Computer Graphics. Also explain about Raster Graphics Fundamentals.  
(b) Write a short note on Raster Scan Monitors and Colour CRT Monitors.
2. (a) Explain in brief about Polygon generation and Polygon filling algorithms.  
(b) Explain in brief about Translation, Scaling and Rotation in 2-D Transformation.
3. (a) Write a short note on Segment table and Segment creation.  
(b) Explain in brief about Line clipping and Polygon clipping.
4. (a) Explain the important features of Multimedia.  
(b) Write a short note on Animation, Principles of Animation and Cell Animation.
5. (a) Explain in brief about Broadcast Video Standards and Video Compression  
(b) Explain about any two output devices and any two input devices.
6. Write short notes on any two from the following :  
(a) Morphing. (b) Plasma Panel.  
(c) Anti Aliasing. (d) Reflection.
7. (a) Explain the concept of 3D Modelling with suitable example.  
(b) Explain Window and Viewport Transformation in brief of Computer Graphics.

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