

FINAL YEAR B.Sc. DEGREE EXAMINATION, MARCH 2011

Part III – Computer Science

Paper VI – COMPUTER GRAPHICS AND VISUAL PROGRAMMING

(2005 Admissions)

e : Three Hours

Maximum : 80 Marks

Part A

SECTION A

*Answer any five questions.**Each question carries 3 marks.*

1. List any six applications of computer graphics.
2. Explain 2D translation.
3. Define window and viewport.
4. What do you mean by multimedia authoring tool?
5. What is an image? List two image formats.
6. Define "Animation".
7. Explain the need for data compression.

(5 × 3 = 15 marks)

SECTION B

*Answer any five questions.**Each question carries 5 marks.*

8. Discuss the working of any one graphic display device.
9. Explain any one line drawing algorithm using scan conversion technique.
10. Explain the following 2D transformations: Rotation and Scaling.
11. Write notes on Multimedia software tools.
12. Write notes on audio file formats.
13. Define multimedia. List the requirements of a multimedia system.
14. Explain features of JPEG.

(5 × 5 = 25 marks)

Part B
SECTION C

*Answer any **five** questions.
Each question carries 3 marks.*

1. Define window.
2. List properties of scroll bars.
3. List any three window bitmap functions.
4. Define "font".
5. What is a device context?
6. List components of VC++.
7. What is "MFC"?

(5 × 3 = 15 marks)

SECTION D

*Answer any **five** questions.
Each question carries 5 marks.*

8. Explain how system timer can be used to control messages.
9. Discuss how a GDI application can be developed.
10. Discuss working with icons and cursors.
1. What is a resource editor? Explain.
2. Explain event oriented programming.
3. Write notes on DLL.
4. Explain Document – view architecture.

(5 × 5 = 25 marks)