

2071  
Bachelor of Computer Application  
Sixth Semester  
BCA--16-603: Computer Graphics and Multimedia Applications

Time allowed: 3 Hours

Max. Marks: 65

**NOTE:** Attempt five questions in all, including Question No. LX (Unit-V) which is compulsory and selecting one question each from Unit I -IV.

x-x-x

**UNIT - I**

- I. Describe the applications of computer Graphics in the field of education and entertainment. (13)
- II. Explain the working of cathode ray tube monitor and liquid crystal display highlighting merits and limitations of each. (13)

**UNIT - II**

- III. Highlight major features of Auto CAD. Explain its major application areas with suitable examples. (13)
- IV. What are the major positioning commands for developing computer graphics using C? Write a C program to draw concentric circles and smiling human face at the centre. (13)

**UNIT - III**

- V. Describe major components of multimedia highlighting its major features and advantages as compared to the conventional system. (13)
- VI. What is the concept of multimedia platforms? Explain the application of multimedia in image processing with suitable examples. (13)

**UNIT - IV**

- VII. Compare Lossy and Lossless compression techniques. Discuss major hardware components of a video system. (13)

P.T.O.

(2)

- VIII. Highlight features of various storage devices for multimedia. Write about features and uses of multimedia authoring tool- Macromedia Director. (13)

**UNIT - V**

- IX. Attempt the following:-

- a) List major graphics software. (2)
- b) Define GUI. (2)
- c) List major display commands of Auto CAD. (2)
- d) Write about using fill styles to fill images. (2)
- e) What do you understand by multimedia? (2)
- f) List major audio file formats. (3)

x-x-x