

(i) Printed Pages : 3 Roll No.

(ii) Questions : 9 Sub. Code :

1	7	9	5	4
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Exam. Code :

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Bachelor of Computer Applications 6th Semester

(2056)

COMPUTER GRAPHICS AND MULTIMEDIA APPLICATIONS

Paper : BCA-16-603

Time Allowed : Three Hours]

[Maximum Marks : 65

Note :— Attempt **five** questions in all, by selecting **one** question each from Units I, II, III, and IV. Question No. **9** is compulsory.

UNIT—I

1. (a) What is Computer Graphics? Explain the applications of computer graphics in Presentation Graphics, Entertainment, and Visualization. 7
- (b) What is Computer Aided Design? What are its advantages and limitations over manual design? 6
2. (a) Differentiate between Raster Scan systems and Random Scan systems. 7
- (b) What are input devices? Explain the working of any two input devices. 6

UNIT—II

3. What is AutoCAD? Explain its features. Also, explain any four drawing commands of AutoCAD. 13
4. (a) How different line styles can be used in graphics programming using C language? Explain with the help of examples. 7
- (b) Explain the following C graphics functions:
- (i) line()
 - (ii) bar()
 - (iii) circle(). 6

UNIT—III

5. (a) What is multimedia? What are the benefits and problems of using multimedia? 7
- (b) Describe various applications of multimedia in the field of education and training. 6
6. (a) Describe the features of any two tools used for developing multimedia applications. 7
- (b) Explain the stages of multimedia application development. 6

UNIT—IV

7. (a) What is image compression? Explain any two image compression techniques. 7
- (b) Describe any two storage devices used for storing multimedia data. 6

8. (a) What are layers in Photoshop? What are the advantages of using layers? Also, explain the operations that can be performed on layers. 7
- (b) Explain the purpose of Stage, Cast, and Score in Macromedia Director. 6

Compulsory Question

9. Write short answers for the following:
- (a) What is resolution? 2
- (b) What is use of control panel in Macromedia Director? 2
- (c) What are flat panel displays? 2
- (d) What is purpose of dimensioning commands in AutoCAD? 2
- (e) Define workstation. 2
- (f) What is the purpose of color models in Photoshop? 3