

(i) Printed Pages : 2

Roll No.

(ii) Questions : 9

Sub. Code :

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Exam. Code :

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Bachelor of Computer Applications 6th Semester
(2040)

COMPUTER GRAPHICS AND MULTIMEDIA APPLICATIONS
Paper—BCA-16-603

~~Time Allowed : Three Hours~~

[Maximum Marks : 65]

Note: Attempt 50% of Total Questions of Question Paper. Time: 2 Hours
All will carry equal marks. Fraction will be lower digit.

~~compulsory.~~

SECTION-A

I. Differentiate the following :

(a) Random Scan and Raster Scan Systems

(b) LED and LCD 7,6

II. Explain the role of Computer Graphics in the following fields :

(a) Computer Aided Design

(b) Presentation Graphics

(c) Graphical User Interfaces. 4,4,5

SECTION-B

III. Explain the following w.r.t. AutoCAD :

(a) Editing commands

(b) Dimensioning 4,6

IV. (a) Explain line styles and fill styles available in C language
for making images.

- (b) Explain C functions for drawing Ellipse, Arc and Rectangle.
Give examples. 7,6

SECTION-C

- V. (a) Describe the basic components of a Multimedia System.
(b) Describe the various applications of Multimedia. 7,6
- VI. (a) Briefly describe the evolution of MPC.
(b) Describe the software platforms preferred for multimedia applications. 7,6

SECTION-D

- VII. (a) Describe various types of Images and Editing operations applicable on them.
(b) Write short note on Video Compression. 7,6
- VIII. (a) Describe the various color Models and Selection tools used in Photoshop.
(b) Write steps to create an animated ball using Macromedia Director. 7,6
- IX. Entire Question is compulsory. Write short answers :
- (1) What is Frame Buffer ?
 - (2) What is Video Card ?
 - (3) What is the function of Zoom in AutoCAD ?
 - (4) Describe the limitations of early PC as a Multimedia System.
 - (5) What is the role of Filters in Photoshop ?
 - (6) What is Stage in Macromedia Director ?
 - (7) What is Resolution ? 6×2+1