

(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 3<sup>rd</sup> Year**

**1046**

**COMPUTER GRAPHICS AND MULTIMEDIA APPLICATIONS**

**Paper : BCA-19**

**Time Allowed : Three Hours]**

**[Maximum Marks : 90**

**Note :** Attempt **one** question from each Section and compulsory Q. No. 9.  
All questions carry equal marks.

**SECTION-A**

1. (a) What is Computer Graphics ? Discuss various applications of Computer Graphics. 9
- (b) Explain the concept of Computer Aided Design with examples. 9
2. (a) With the help of a diagram, explain the working of Random Scan Systems. 9
- (b) What do you mean by Image Processing ? Describe different applications of Image Processing. 9

**SECTION-B**

3. (a) What is Auto CAD ? Explain features of Auto CAD. 9
- (b) What do you mean by Paint Brush ? Discuss zooming and rotation in context of Paint Brush. 9

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**[Turn over**

4. (a) Write a Program in C to draw human face. 9
- (b) How C can be used in developing applications of Computer Graphics? 9

### SECTION-C

5. What do you mean by Multimedia ? Elaborate various applications of Multimedia. 18
6. With the help of a diagram, explain components of Multimedia in detail. 18

### SECTION-D

7. (a) How Multimedia can be used in education and training? 9
- (b) Discuss the features of Multimedia Image Processing. 9
8. (a) What is the use of sprite in Macromedia Director? 9
- (b) Describe the role of Multimedia in real world. 9

### SECTION-E (Compulsory Question)

9. Write short notes on the following with the help of example/diagram if needed :
  - (a) Features of Photoshop 3
  - (b) Animation 3
  - (c) Raster Scan Systems 3
  - (d) Histogram 3
  - (e) Drawing an Ellipse in C 3
  - (f) Outtextxy function in C. 3