

BCA - 511 Score

BCA-501

281

Printed Pages : 2

Roll No. to be filled in your Answer Book

Roll No.

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**BACHELOR OF COMPUTER APPLICATION
FIFTH SEMESTER EXAMINATION 2014-15
COMPUTER GRAPHICS**

Time: 3.00 Hrs]

[Max. Marks: 70

Q1: Attempt any two questions

7 x 2

1. Write all the applications of Computer Graphics?
2. Distinguish between Raster and Vector Graphics.
3. What are the functions of Focusing System in CRT?

Q2: Attempt any two questions

7 x 2

1. Explain how the Bresenham's line drawing algorithm works for the line joining the points(-1, 2) and (7, 5).
2. What do you mean by Animation? Write all the Principles of Animation.
3. Describe the 2D transformations for Reflection and Shearing.

Q3: Attempt any two questions

7 x 2

1. What are the differences between Flood-Fill and Boundary-Fill Algorithm?

2. What are the different types of Animation Systems? Explain.

3. Describe the working of a CRT.

Q4: Attempt any two questions

7 x 2

1. What the various logical graphics input primitives?

2. Write DDA line drawing algorithm.

3. Briefly explain all Animation Tools.

Q5: Attempt any two questions

7 x 2

1. Explain Interpolation and Approximation Splines.

2. Demonstrate with example inside outside test for polygon.

3. Write short notes on any two:

(i) Parallel projection

(ii) Hidden surface removal

(iii) Free storage allocation

—X—