

Roll No.

Total No. of Questions : 07]

D-2010

[Total No. of Pages : 02

BCA (Sem. - 5th)

COMPUTER GRAPHICS

SUBJECT CODE : BC - 503

Paper ID : [B0221]

[Note : Please fill subject code and paper ID on OMR]

Time : 03 Hours

Maximum Marks : 60

Instruction to Candidates:

- 1) Section - A is Compulsory.
- 2) Attempt any Four questions from Section - B.

Section - A

Q1)

(10 × 2 = 20)

- a) What is the role of Graphic tablet and scanner?
- b) Explain the difference between printer and plotter.
- c) Differentiate random scan from raster scan.
- d) What is the symmetry of an ellipse?
- e) Discuss the use of aspect ratio.
- f) Is Bresenham's algorithm better than DDA? Discuss.
- g) What is meant by character generation? Explain.
- h) What does text-clipping mean? Explain.
- i) What are the different types of coordinates?
- j) What is flat panel display? Explain.

Section - B

(4 × 10 = 40)

- Q2)** Discuss the role of different types of devices in Computer Graphics.
- Q3)** What are the features of different types of printers? Explain the working technology of laser printer.
- Q4)** What do you mean by display devices? Discuss the role of CRT and DVST in brief.
- Q5)** Discuss Bresenham's algorithm for generating a circle.
- Q6)** Define projection? Discuss the role of projection in computer graphics? Explain various types of projections.
- Q7)** Differentiate between clipping and transformation. How scaling is used in graphics? Explain.

