

Register Number :

Name of the Candidate :

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B.Sc. DEGREE EXAMINATION, 2013

(COMPUTER SCIENCE)

(THIRD YEAR)

(PART - III)

(PAPER - XVI)

320 / 340. COMPUTER GRAPHICS

(Common with B.Sc. I.T & Double Degree)

May]

[Time : 3 Hours

Maximum : 100 Marks

PART – A (8 × 5 = 40)

Answer any EIGHT questions.

ALL questions carry EQUAL marks.

1. Explain briefly the Software Standards.
2. Explain the function of a MOUSE.
3. Explain the procedure for drawing an ellipse.

Turn Over

4. Explain briefly the basic operation of 2D transformations.
5. Explain the principles of Viewing and Projection.
6. Explain the Depth-buffer algorithm.
7. Write short note on Bezier Curves.
8. Write a note on CMY colour model.
9. What are the importance of interactive systems? Explain.
10. Explain briefly interactive handling models.

PART – B (3 × 20 = 60)

Answer any THREE questions.

ALL questions carry EQUAL marks.

11. Describe the various applications of computer graphics in detail.
12. Explain the Cohen-Sutherland line clipping algorithm.
13. Explain the polygon surfaces and curved surfaces in detail.

14. Describe the various graphics file formats.
15. Explain any two components of user interface design.