

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI • EXAMINATION – WINTER • 2014****Subject Code: 162206****Date: 08-12-2014****Subject Name: Computer Application in Mining****Time: 02:30 pm - 05:00 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Explain types of printers. 07
(b) Explain Scanners and Pointing Devices. 07
- Q.2** (a) Write short note on Bresenham's line algorithm. 07
(b) What is DBMS? Give the advantages and disadvantages of it. 07
- OR**
- (b) Explain different co-ordinate system to draw a line object. 07
- Q.3** (a) Describe the rotation reposition of 2D objects. 07
(b) Explain pixel and frame buffers. 07
- OR**
- Q.3** (a) Write short note on shearing and reflection transformation. 07
(b) Explain 3D graphics transformation. 07
- Q.4** (a) Define CAD. Explain the benefits of CAD in brief. 07
(b) Explain geometric transformation. 07
- OR**
- Q.4** (a) Explain circle generation algorithm. 07
(b) Write a short note on Plotters. 07
- Q.5** (a) Explain Digitizers and Joystick. 07
(b) Explain Model co-ordinate system and user co-ordinate system in Autocad. 07
- OR**
- Q.5** (a) What is DATA MINING? Discuss the issue in data mining. 07
(b) Write advantages and disadvantages of Computer Application in Mining. 07
