

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI • EXAMINATION – SUMMER • 2014****Subject Code: 162206****Date: 30-05-2014****Subject Name: Computer Application In Mining****Time: 10:30 am - 01:00 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) Define vector. Explain the types of co-ordinate system. **07**
(b) What is an input and output devices? List out types of printers & Explain any one in brief. **07**
- Q.2** (a) Explain pixels and frame buffers. **07**
(b) Write a note on data scanning devices. **07**
- OR**
- (b) List out the name of various input & output devices of computer. Explain digitizers. **07**
- Q.3** (a) Explain Bresenham's line algorithm. **07**
(b) Write a note on: "the issues in data mining". **07**
- OR**
- Q.3** (a) Explain DBMS package for programming related to data mining using activities. **07**
(b) Give the purposes and basic classes of transformation. **07**
- Q.4** (a) What is CAD? Give applications of availing computer aided drafting and designing Services. **07**
(b) Explain shearing and reflection transformations. **07**
- OR**
- Q.4** (a) Discuss different kinds of modeling in CAD. Explain canceling and undoing a command in autoCAD. **07**
(b) Write a note on geometric transformation. **07**
- Q.5** (a) Write a note on circle – Generation algorithms. **07**
(b) Explain Clipping and shielding with reference to two – dimensional viewing Transformations. **07**
- OR**
- Q.5** (a) What is 2D graphics transformations? Add a note on: ' coordinate Transformations'. **07**
(b) Explain Three – dimensional graphics transformations. **07**
