

GUJARAT TECHNOLOGICAL UNIVERSITY
B E Sem-VI Examination May 2011

Subject code: 162206

Subject Name: Computer Application in Mining

Date: 24/05/2011

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) What is an output device? Write a short note on chain/band printer and Drum plotter. **07**
(b) What is data scanning device? Which are the characteristics of it? Add a note on types of image scanners. **07**

- Q.2** (a) Discuss the digitizers and light pens. **07**
(b) Explain screen image projector and flatbed plotter **07**

OR

- (b) Write the notes on Trackball, spaceball and joysticks. **07**

- Q.3** (a) Explain the loading the frame buffer. **07**
(b) How the lines are plotted on Raster systems? Explain with a straight line – drawing algorithms. **07**

OR

- Q.3** (a) Explain three-dimensional curvilinear Co-ordinate system. **07**
(b) Explain the properties of circles with the reference of Circle – generating algorithms **07**

- Q.4** (a) Explain the translation to reposition two-dimensional objects. **07**
(b) Write a short note on Scaling transformation to resize of an object. **07**

- Q.4** (a) Explain the rotation to reposition two-dimensional objects. **07**
(b) Write a note on reflection transformation. **07**

- Q.5** (a) Write a short note on World Co-ordinate system and User Co-ordinate system used in AutoCad. **07**
(b) List out the different object creation commands. Explain the different co-ordinate systems to draw a line object. **07**

OR

- Q.5** (a) What is DBMS? Give the advantages and disadvantages of it. **07**
(b) What is data mining? Discuss the issues in data mining. **07**
