Seat No.: _____ Enrolment No._____

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 **07** 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**

****