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GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VI • EXAMINATION - SUMMER 2013 Subject Code: 162206 Date: 31-05-2013 **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) Explain difference between input and output device of computer. Write a note on: **07** 'Laser printers'. (b) Explain DBMS package for programming related to data mining using activities. 07 O-2. (a) List out the various input and output device of computer. Add a note on: **07** (1)Electronic Pen (2) voice response systems. **(b)** Discuss the inkjet printers and flatbed plotter. **07** OR (b) Write a note on data scanning devices. **07** Q-3. (a) How the lines are projected on the screen in matrix form. Add a note on DDA. 07 **(b)** Define the following terms: (1) Data (2) Database Management System (3) Geodata (4) metadata (5) Redundancy (6) Monitor (7) Keyboard. OR Q-3. (a) Write a note on circle – Generation algorithms. **07** (b) What is geo information system? Give advantages of DBMS. 07 Q-4. (a) Write a note on Three – dimensional graphics transformations. 07 (b) Define CAD. Give merits of availing computer aided drafting and designing **07** Services. Add a note on 'Co – ordinate systems in CAD'.

| Q-4. | (a) Explain Clipping and shielding with reference to two – dimensional viewing | 07 |
|------|---|----|
| | Transformations. | |
| | (b) Explain World co – ordinate system and User co – ordinate system used in CAD. | 07 |
| Q-5. | (a) What do you mean by 2D graphics transformations? Add a note on: | 07 |
| | 'Geometric Transformations'. | |
| | (b) Write a short note on: 'Frame buffer'. | 07 |
| | OR | |
| Q-5. | (a) Define data mining. What are the issues in data mining. | 07 |
| | (b) Explain Shearing and reflection transformations. | 07 |
