

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-VI- EXAMINATION – SUMMER 2016****Subject Code:162206****Date:13/05/2016****Subject Name:Computer Application in Mining****Time: 10:30 AM to 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.

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|------------|--|-----------|
| <b>Q.1</b> | (a) Explain types of schema maintained by the DBMS   | <b>07</b> |
|            | (b) Write a note on data scanning devices.   | <b>07</b> |
| <b>Q.2</b> | (a) What is Data Mining? Discuss the issue in data mining.   | <b>07</b> |
|            | (b) Write advantages and disadvantages of computer application in mining.  | <b>07</b> |
|            | <b>OR</b>  |           |
|            | (b) Define vector. Explain the types of co-ordinate system.  | <b>07</b> |
| <b>Q.3</b> | (a) Explain Bresenham's line algorithm.  | <b>07</b> |
|            | (b) Write a note on plotters and digitizers  | <b>07</b> |
|            | <b>OR</b>  |           |
| <b>Q.3</b> | (a) Describe the rotation reposition of 2D objects.  | <b>07</b> |
|            | (b) Write a note on circle – Generation algorithms.  | <b>07</b> |
| <b>Q.4</b> | (a) What is CAD? Give applications of availing computer aided drafting and designing Services  | <b>07</b> |
|            | (b) Explain types of printers.   | <b>07</b> |
|            | <b>OR</b>  |           |
| <b>Q.4</b> | (a) Explain Three – dimensional graphics transformations.  | <b>07</b> |
|            | (b) What is an output device? Write a short note on chain/band printer and Drum plotter.   | <b>07</b> |
| <b>Q.5</b> | (a) Explain co-ordinate free geometry.   | <b>07</b> |
|            | (b) What are output devices? Explain different types of printers   | <b>07</b> |
|            | <b>OR</b>  |           |
| <b>Q.5</b> | (a) Write the notes on Light pens, joy sticks and track ball.  | <b>07</b> |
|            | (b) Define the following terms: (1) RAM (2) Database Management System (3) Keyboard (4) metadata (5) Redundancy (6) Monitor (7) Computer | <b>07</b> |

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