

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-VI(NEW) – EXAMINATION – SUMMER 2019****Subject Code:2162206****Date:18/05/2019****Subject Name:Computer Application 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.

		MARKS
Q.1	(a) What are the input devices used in computer?	03
	(b) Write short note on application of computer in mining industry.	04
	(c) Explain in detail any two output devices used in computer with neat sketch.	07
Q.2	(a) List of output devices used in computer and brief it.	03
	(b) Explain: Digitizer	04
	(c) Explain in detail any two of input devices used in computer with neat sketch.	07
	OR	
	(c) Explain the mechanism and applicability of cathode ray tube with neat sketch.	07
Q.3	(a) Difference between drum printer and band printer.	03
	(b) Explain printers with their types in brief.	04
	(c) Explain in detail: scanner and pointing devices	07
	OR	
Q.3	(a) Explain the rotation to reposition 2d objects.	03
	(b) Explain: Bresenham's circle algorithm	04
	(c) Define two dimension geometric transformations.	07
Q.4	(a) Explain: track ball	03
	(b) Explain: (i) Translation and (ii) Rotation	04
	(c) Explain: Bresenham's line algorithm	07
	OR	
Q.4	(a) Explain: touch screen	03
	(b) Explain: (i) Shear and (ii) Reflection	04
	(c) Explain the properties of circle with the reference of circle generating algorithms.	07
Q.5	(a) Write a note on DBMS.	03
	(b) Write various issues in data mining.	04
	(c) How "CAD" application is useful to the mining industry? Write in detail.	07
	OR	
Q.5	(a) Write the merit and demerits of DBMS.	03
	(b) Explain various types of data mining.	04
	(c) Explain "CAD" programming and "CAD" workstation.	07
