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GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER– VI (New) EXAMINATION – WINTER 2019

Subject Code: 2162206   **Date: 11/12/2019**

Subject Name: Computer Application Mining

Time: 02:30 PM TO 05:00 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 do you mean by input and output devices?	**03**
	(b)	What is DBMS? Give the advantages and disadvantages of it.	**04**
	(c)	Explain shearing and reflection transformations.	**07**
Q.2	**(a)**	Define CAD. Write benefits of CAD.	**03**
	(b)	List out various input and output devices.	**04**
	(c)	What is Monitor? Explain Cathode Ray Tube (CRT) and Flat Panel Display Monitor.	**07**
		OR	
	(c)	What is plotter? List out different types of plotter. Explain any one with neat sketch.	**07**
Q.3	**(a)**	Explain Frame buffer in brief.	**03**
	(b)	Explain touch screen. Give the examples of information kiosks.	**04**
	(c)	What is digitizer? Explain with neat sketch.	**07**
		OR	
Q.3	**(a)**	Describe the application of CAD in mining.	**03**
	(b)	Explain line and circle generation algorithms.	**04**
	(c)	Explain types of schema maintained by the DBMS.	**07**
Q.4	**(a)**	Write a note on 2D transformation system.	**03**
	(b)	Explain voice reproduction system with its uses.	**04**
	(c)	List out different types of printer. Explain laser printer with neat sketch.	**07**
		OR	
Q.4	**(a)**	Explain vision based devices and its uses.	**03**
	(b)	Explain speech synthesizer with its application.	**04**
	(c)	List out different types of data scanning devices. Explain any two with neat sketches.	**07**
Q.5	**(a)**	Explain voice recognition devices with its application.	**03**
	(b)	Explain different types of co-ordinate system.	**04**
	(c)	Explain trackball and joystick with neat sketches.	**07**
		OR	
Q.5	**(a)**	Discuss the advantage and disadvantage of Mouse.	**03**
	(b)	Describe the characteristics of data scanning devices.	**04**
	(c)	Explain keyboard and electronic card based devices.	**07**

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