GUJARAT TECHNOLOGICAL UNIVERSITY
MCA - SEMESTER– IV • EXAMINATION – WINTER - 2017

Subject Code:3640013   **Date: 06-01-2018**
Subject Name: Function Programming with Java
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.**

Q.1	**(a)**	**Fill in the blanks :**	**07**
		(1) _____ , _____, _____ and _____ are methods of Applet lifecycle	
		(2) _____ is require to start before running RMI application.	
		(3) To set the caption of Button in AWT _____ method is useful.	
		(4) _____ and _____ are the listeners available with mouse event.	
		(5) Full form of JDBC is _____	
		(6) The process of encoding parameters in RMI is called as _____.	
		(7) getColumnType is a method of _____ class.	
	(b)	(1) Distinguish between Applications and Applets	**04**
		(2) Distinguish between Applets and swings	**03**
Q.2	**(a)**	Discuss in details - Steps for JDBC Connectivity	**07**
	(b)	Discuss in detail - Features of Swing	**07**
		OR	
	(b)	Explain the life cycle of an Applet with suitable example	**07**
Q.3	**(a)**	Write an applet / swing that simulates a digital clock	**07**
	(b)	Write short note on Graphics class.	**07**
		OR	
Q.3	**(a)**	Write an applet that contains three scrollbars and a 30x30 pixel canvas. The values of scrollbars will determine the color of canvas.	**07**
	(b)	Write down in detail about various layout managers available with suitable example.	**07**
Q.4	**(a)**	Write down in detail about the Event Delegation Model given by java with example	**07**
	(b)	Write down about various dialog boxes available with suitable example	**07**
		OR	
Q.4	**(a)**	Write about Transaction management with reference to save point. Also explain with reference to JDBC by using suitable example	**07**
	(b)	Write down in detail List class with reference to AWT / Swing with example	**07**
Q.5	**(a)**	Show how to use slider components with suitable example	**07**
	(b)	Write down role of Client and Server in RMI. Also give simple RMI example.	**07**

Q.5 **(a)** Write down the process of writing bean. Also explain naming patterns used while writing the bean. Give suitable example. **07**

(b) What is inner class and Adapter classes - Explain with suitable example with reference to AWT and event handling. **07**

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