

Seat No.: _____

Enrolment No. _____

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) getColumnTypes 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. 07**
The values of scrollbars will determine the color of canvas.
- (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**

OR

- 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**
