

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA– SEMESTER –IV EXAMINATION –SUMMER-2019

Subject Code:3640013

Date: 28-05-2019

Subject Name: Function Programming with Java

Time:10.30 am to 1.00 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)** Differentiate the Following: **07**
(i) Semantic and low-level events
(ii) Statement and Prepared Statement
- (b)** Write Short note on the following: **07**
(i) RMI registry (ii) Logging RMI Activity
- Q.2 (a)** Explain Applet life Cycle in detail. Write the steps to convert application to applet. **07**
- (b)** Design a registration form for new user. On clicking submit button, entered data should be display on dialog box. **07**
- OR**
- (b)** Metal look-and-Feel is the default look and feel for Swing Programs. Write snippet to change to different look-and-feel. **07**
- Q.3 (a)** What do you mean by Sophisticated Layout Management? List and explain the sophisticated Layout managers in detail. **07**
- (b)** What do you mean by Property Editors and Customizers? How Customizers are better than Property Editors? **07**
- OR**
- Q.3 (a)** Explain the relationship of 2D Shape classes with their super classes with the help of a diagram. **07**
- (b)** Write a Snippet to insert, update and delete row from database using Updatable Result set **07**
- Q.4 (a)** Define Java Bean. What are the advantages of Java bean? Write the steps of using Bean to build an application **07**
- (b)** Write the snippet to add Menu with Mnemonics and accelerators. **07**
- OR**
- Q.4 (a)** Explain the Model view Controller design patterns of Swing Components in detail **07**
- (b)** "A component can have multiple listeners for events of different types". Justify the statement with the help of an example. **07**
- Q.5 (a)** Write the snippet to create an applet to access images and audio files. **07**

- (b) Write the steps to create RMI application. Explain the importance of RMI registry in RMI applications. **07**

OR

- Q.5** (a) "Each SQLException has a chain of SQLException Objects". Justify the statement with the help of diagram. **07**
- (b) Explain the advantage of Row Sets over Result Sets. How Row sets are better approach as compare to Result Sets in database applications. **07**
