

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII (OLD) - EXAMINATION – SUMMER 2017

Subject Code: 170703

Date: 04/05/2017

Subject Name: Advance Java Technology

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) List and explain any three new features of Swing compared to AWT. **07**
(b) Write a note on Servlet API? Discuss about some important classes of it. **07**
- Q.2** (a) Explain event handling mechanism in Java with suitable example. **07**
(b) What is the use of Statement class in JDBC? List and explain various types of statements in JDBC. **07**
- OR**
- (b) Explain usage of following classes with respect to JDBC. Also explain some of their important methods. **07**
1. Statement
2. Connection
3. Resultset
- Q.3** (a) Answer following. **07**
1. Difference between Socket and ServerSocket
2. What is Object serialization? What is need of it?
(b) Draw and explain J2EE architecture. **07**
- OR**
- Q.3** (a) Write and explain various tags of JSTL core and sql library. **07**
(b) Draw and explain RMI architecture. **07**
- Q.4** (a) Write a short note on JSP lifecycle. **07**
(b) What is the use of filter in Servlet? Explain with suitable example. **07**
- OR**
- Q.4** (a) Enlist JSP implicit objects. Explain any three of it. **07**
(b) Write a note on hibernate. **07**
- Q.5** (a) Write Servlet program to create cookie. Also write code to display contents of cookie on page. **07**
(b) Write RMI program in which client sends one string to server and server replies with length of string. **07**
- OR**
- Q.5** (a) Write a program to create login form using HTML. When form is submitted to JSP, fetch submitted details and check whether user is valid or not? (User details can be hardcoded. No need of database) **07**
(b) Write java network program using network API in which client sends one string to server and server replies with length of string. **07**
