

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII • EXAMINATION – WINTER • 2014

Subject Code: 170703

Date: 04-12-2014

Subject Name: Advance Java Technology

Time: 10:30 am - 01:00 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)** What is window pane in swing? List out different window pane and give the purpose of them. **07**
- (b)** Give the use of Statement, PreparedStatement and CallableStatement object and Write code to insert three records into student table using PreparedStatement (assume student table with Name, RollNo, and Branch field). **07**
- Q.2 (a)** Explain Object Serialization and how it can be done in java. **07**
- (b)** Write an UDP client and server program to do the following: **07**
Client send any string and server respond with its capital string.
- OR**
- (b)** Write a client server program using TCP where client sends two numbers and server responds with sum of them. **07**
- Q.3 (a)** What is java EE? List and explain feature of them. **07**
- (b)** Write a code to create simple calculator using swing component. **07**
- OR**
- Q.3 (a)** Explain internationalization and its use in java with example. **07**
- (b)** List out different types of JDBC driver and explain each. **07**
- Q.4 (a)** List out different types of servlet event and explain it. **07**
- (b)** What is session object in JSP? Explain it with example. **07**
- OR**
- Q.4 (a)** Explain JSP tag library with example. **07**
- (b)** Explain Life cycle of JSP. **07**
- Q.5 (a)** What are the differences between Java Bean and basic java class? Explain Java Bean Architecture. **07**
- (b)** Write JSTL program to parse and display text of XML file. **07**
- OR**
- Q.5 (a)** Write a servlet which accept two numbers using POST methods and display the maximum of them. **07**
- (b)** Draw and explain the architecture of Hibernate. **07**
