

GUJARAT TECHNOLOGICAL UNIVERSITY
B. E. - SEMESTER – VII • EXAMINATION – WINTER 2012

Subject code: 170703**Date: 01/01/2013****Subject Name: Advance Java Technology****Time: 10.30 am - 01.00 pm****Total Marks: 70****Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Explain the need of MVC architecture. Write swing code to create toggle button and checkbox and handle their click event. Differentiate between toggle button and check box. **07**
- (b) Explain JDBC driver types. Write a Java Bean to connect to database and insert in the database. Query will be passed as a message to bean. **07**

- Q.2** (a) Write a TCP *or* UDP client and server program to do the following: **07**

client> java client localhost/IP Port <enter>
Enter text: This is my text to be changed by the SERVER <enter>
Response from server: revres EHT YB DEGNAHC EB OT TXET YM SI SIHt
client> exit

- (b) Write RMI client/server implementation to read content of the file on server at client. Filename is passed by the client to server. **07**

- Q.3** (a) Enlist and explain need of JNDI with diagram. Explain J2EE architecture with diagram. **07**
- (b) Explain Object serialization and how it can be done in java. **07**

OR

- Q.3** (a) Enlist and explain the need of filters with a program. **07**
- (b) Explain internationalization and its use using java. **07**

- Q.4** (a) Explain Servlet life cycle & importance of context object. **07**
- (b) Write line(s) of code in JSP for following. **07**

- I. Session read and write
- II. URL rewriting sending and retrieving parameter(s)
- III. URL redirection
- IV. Print "hello world" as output
- V. Include the other JSP file statically
- VI. Expression to display date as output
- VII. Method of setting the JSP parameters to use in JSTL

OR

- Q.4** (a) Explain event handling in Java Servlet with example(s). **07**
- Q.4** (b) Enlist and explain the purpose and use of action tags in JSP. **07**

- Q.5** (a) Explain transaction handling using JSTL. **07**
- (b) Write a note on hibernate. **07**

OR

- Q.5** (a) Write a JSTL program to parse & display text of XML file. **07**
- (b) Write a JDBC program to insert and retrieve photo in database. **07**
