

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER-VII EXAMINATION – WINTER 2015

Subject Code: 170703

Date: 09/12/2015

Subject Name: Advance Java Technology

Time: 10:30am to 1:00pm

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) Explain MVC and Hibernate Architecture **07**
(b) What is pluggable look and feel? How do you set the look and feel of the components? **07**
- Q.2** (a) Explain RMI architecture and also explain stub and skeleton **07**
(b) What is JDBC driver? What is its role? List the types of drivers and explain Working of type -3 and type-4 driver **07**
- OR**
- (b) Explain serialization of objects. Why do you need it? Explain SQL tag library **07**
- Q.3** (a) Explain architecture of J2EE. List out java technologies supported by J2EE along with their applications **07**
(b) Explain Prepared statements with suitable example **07**
- OR**
- Q.3** (a) Enlist and explain need of JNDI with diagram **07**
(b) Explain JSP tag library with examples. **07**
- Q.4** (a) Give the characteristics of the HTTP protocol and explain the GET, HEAD and PUT methods of the HTTP protocol. **07**
(b) Explain the action tags used to access the JavaBeans from a JSP page with example **07**
- OR**
- Q.4** (a) Explain transaction handling using JSTL **07**
(b) Compare the AWT and Swing and List and explain various swing layouts and components with examples **07**
- Q.5** (a) Differentiate : Java Bean and basic java class and Explain Java Bean Architecture and Show the use of JSP inbuilt objects: request and response, with their use in application **07**
(b) What are cookies and sessions? How can you use them in Java EE? Compare them **07**
- OR**
- Q.5** (a) Develop any Servlet application which demonstrates use of session management **07**
(b) Explain Servlet life cycle & importance of context object. **07**
