

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII EXAMINATION – SUMMER 2016

Subject Code:170703

Date:10/05/2016

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) Write a note on J2EE architecture. **07**
(b) Which basic java package is used to interact with database? List and explain some commonly used classes of this package. **07**
- Q.2** (a) Draw RMI reference architecture and explain various components of it. **07**
(b) Draw and explain JSP page life cycle **07**
- OR**
- (b) Draw and explain Servlet life cycle **07**
- Q.3** (a) Give differences between **07**
1. Applet versus Swing
2. Socket class versus ServerSocket class
(b) Write sample deployment descriptor file (web.xml). Explain various configuration parameters of it. **07**
- OR**
- Q.3** (a) Write a short note on MVC architecture. **07**
(b) Explain the concept of Servlet context. **07**
- Q.4** (a) Enlist and explain usage of various implicit JSP objects. **07**
(b) Write a note on Hibernate technology. **07**
- OR**
- Q.4** (a) Explain usage of JSP Page directive with various attributes of it. **07**
(b) Explain the concept of object Serialization. **07**
- Q.5** (a) Write Servlet program to display “Hello world” on screen. **07**
(b) Write JDBC program to display contents of tbl_student on screen. **07**
- OR**
- Q.5** (a) Write a program to create HTML form with one text box to enter number in it. **07**
When page is submitted to JSP, it should print entered number is odd or even.
(b) Write a program to create swing based form for user registration. **07**
