

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER-VII(OLD) • EXAMINATION – WINTER 2016

Subject Code: 170703

Date: 23/11/2016

Subject Name: Advance Java Technology

Time: 10:30 AM to 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)** Answer the following questions. **03**
1. How the GET method is different from POST method?
 2. Differentiate between include directive and jsp:include tag.
 3. What is the difference between ServletConfig & ServletContext Object?
- (b)** Explain the given attributes of JSP directive with example **04**
1. isErrorPage
 2. Import
 3. contentType
 4. language
- (c)** Explain the Servlet life cycle with life cycle methods **07**
- Q.2 (a)** What is Session? Define Session Tracking. What are the session tracking technique? **07**
- (b)** How cookies are used to track a session? Explain with example **07**
- OR**
- (b)** Write a Servlet to set the cookies for first and last name entered by user **07**
- Q.3 (a)** Explain serialization/deserialization of Object with necessary code in java **07**
- (b)** Explain ServletContext life-cycle event handling with necessary code example **07**
- OR**
- Q.3 (a)** Describe java EE containers types & also explain J2EE Container Architecture **07**
- (b)** Explain swing components (text fields, buttons toggle checkbox and radio buttons) with code example **07**
- Q.4 (a)** Explain the three ways of including a JSP in another JSP with example **07**
- (b)** Write a java bean named “student” having roll no and name having getter & setter methods. Write a JSP page to set the roll number and name for a student object and then print them by reading from object. **07**
- OR**
- Q.4 (a)** List & explain various stages of JSP life cycle. **07**
- (b)** Write a web application using JSP to get an integer N(N>0) and display all the prime numbers up to N **07**
- Q.5 (a)** Explain the various types of EL expression with example. **07**
- (b)** List & explain implicit objects in JSP. **07**
- OR**
- Q.5 (a)** Explain OR Mapping in hibernate. **07**
- (b)** What is RMI? Write a RMI application to add two integer numbers **07**
