Seat No.:	Enrolment No.

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

Subject Code: 170703 Date: 23/11/2016

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.  1. [How the GET method is different from POST method?  2. Differentiate between include directive and jsp:include tag.	03
	<b>(b)</b>	<ol> <li>What is the difference between ServletConfig &amp; ServletContext Object?</li> <li>Explain the given attributes of JSP directive with example         <ol> <li>isErrorPage</li> <li>Import</li> <li>contentType</li> <li>language</li> </ol> </li> </ol>	04
	(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	07
	<b>(b)</b>	technique? How cookies are used to track a session? Explain with example	07
	<b>(b)</b>	OR Write a Servlet to set the cookies for first and last name entered by user	07
Q.3	(a) (b)	Explain serialization/deserialization of Object with necessary code in java Explain ServletContext life-cycle event handling with necessary code example  OR	07 07
Q.3	(a)	Describe java EE containers types & also explain J2EE Container Architecture	07
	<b>(b)</b>	Explain swing components (text fields, buttons toggle checkbox and radio buttons) with code example	07
Q.4	(a) (b)	Explain the three ways of including a JSP in another JSP with example 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.  OR	07 07
Q.4		List & explain various stages of JSP life cycle.  Write a web application using JSP to get an integer N(N>0) and display all the prime numbers up to N	07 07
Q.5	(a) (b)	Explain the various types of EL expression with example. List & explain implicit objects in JSP.	07 07
0.5	(a)	OR Evplain OP Manning in hibernate	07
Q.5	(a) (b)	Explain OR Mapping in hibernate.  What is RMI? Write a RMI application to add two integer numbers	07

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