Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

M.E. SEMESTER I (old course)–EXAMINATION (Remedial) – WINTER 2015

Subject code: 712302N **Date: 09/12/2015**

Subject Name: Advance Web Technology

Time: 10:30 AM to 1:00 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)** Create following table. Apply Cascading style sheet to provide formatting. Heading should be in red fonts of 14 size with green background. **07**

Company Name	Number of Employee
biz	1000
Wealth	500

(b) **07**

(i) To produce following output, which JSTL tag must be used? Write the code snippet. **04**

<tag> , &

(ii) Explain jsp:getProperty and jsp:setProperty action elements. **03**

Q.2 **(a)** Explain Java EE architecture. **07**

(b) Which methods need to be used and what line of code should be written to display welcome message through a simple web application. **07**

OR

(b) How to provide text input and radio buttons in HTML form? On clicking submit to display the textbox and radio button values what line of code should be written? **07**

Q.3 **(a)** What line of code should be written to read an XML file containing artist, album and Write AJAX code to print only artist. **07**

(b) **07**

(i) Write JavaScript to print name of the student and marks of Maths. **04**

(ii) What type of servlet configuration can be done through web.xml? **03**

OR

Q.3 **(a)** What is the use of ServletContext object? What is the use of ServletConfig object? **07**

(b) **07**

(i) Write a JavaScript that takes two different strings txt1,txt2. txt1 holds ñWelcomeò and txt2 holds ñto GTUò. Write Javascipt code to concatenate txt1 and txt2. **04**

(ii) Which types of events can be generated by servlet? **03**

Q.4 **(a)** **07**

(i) How a JSP page can perform arithmetic operations through JSP expression language. **04**

(ii) Explain XML tag library available with Java server pages. **03**

(b) How session tracking can be done by cookies in Servlet? **07**

OR

Q.4 **(a)** **07**

(i) Explain the SQL tag Library available with Java server pages. **04**

(ii) Explain HTML document structure and explain how to create headings in web page? **03**

(b) How session tracking can be done by URL rewriting in servlet? **07**

Q.5 **(a)** Explain Java server faces architecture. **07**

	(b)	What is Java persistent API? Explain the stages of entity life cycle.	**07**
		OR	
Q.5	**(a)**	Explain How input validation and type conversion is performed in Java server faces.	**07**
	(b)	What type of relationships entities can have?	**07**

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