

GUJARAT TECHNOLOGICAL UNIVERSITY**M.E Sem-I Regular Examination January / February 2011****Subject code: 712302N****Subject Name: Advance Web Technology****Date: 01 /02 /2011****Time: 02.30 pm – 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.**
- 4. Use Standard conventions from book.**

- Q.1** Attempt on ANY TWO **14**
- (a) Develop a HTML Web Page for Payment Fee Receipt for ME Exam fee to Gujarat Technological University
- (b) Create an CSS file for applying the Background color & CSS style action for drawing box each paragraph for any Sample Web page containing the multiple text paragraph
- (c) Write Java script program for displaying the table of Number 's having the number input given by HTML form
- Q.2** (a) Explain the J2EE architecture along with Containers and their role. Show various J2EE API's and framework available in it. **07**
- (b) What is HttpSession Object?. Develop a servlet for Counting the Numbers and Make use of HttpSession object and retain the Number counting Count using Session Object **07**
- OR**
- (b) What is Difference between ServletConfig Object & ServletContext? How ServletContext Object & HttpServletRequest Object are used to forward & include to make use other JSP in either Servlet or JSP Page **07**
- Q.3** (a) Using JSTL ForEach loop tag develop a Table of Number web page in HTML Table **07**
- (b) What is difference between TagSupport class and BodyTag class, show it by Program Segment example having sample method code for both class **07**
- OR**
- Q.3** (a) Develop Student JavaBean having AddStudentInfo Method for adding data and DisplayStudentInfo Method and write JSP page having StudentForm using HTML Form and use Student Javabeen and display the Student's Information using DisplayStudentInfo method of Javabeen in JSP Page **07**
- (b) Define or Explain following **07**
- (i) Div tag in HTML (ii) JSP directives (iii) Difference between include Directive & jsp:include tag (iii) XML JSTL tags (v) Page Scope in JSP (vi) XMLHttpRequest (vii) PageConext
- Q.4** (a) Explain Various SQL jstl Tag Library and show example program segment with correct syntax for loading SQL table data into HTML table **07**
- (b) Explain the JSF elements & JSF architecture and also show the life Cycle of JSF request processing **07**
- OR**
- Q.4** (a) What is Java Persistent? How Entity can be mapped to Java Object , show it using **07**

- (b) What is JPQL? Develop a Sample Application using JPQL for Student Information containing Student name, student's Marks Details 07

- Q.5 (a) Show various Core tags in JSTL library. And make use of core tags and develop sample program fragment showing the comparing two number HTML user interface 07
- (b) What is the JSP Expression Language? Give Sample examples of JSP-EL with correct syntax in JSP page 07

OR

- Q.5 (a) Explain the Life Cycle of JSP page? And develop the JSP page showing message in web page for each life cycle phase with life Cycle phase name separated by HR line in between each phase. 07
- (b) Which are Events available for Servlet life Cycle? Write a code for handling each event displaying message such "from <event name> & "Event Handler Name" with using Correct Servlet API listeners 07
