Seat No.: Enrolment No.
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## GUJARAT TECHNOLOGICAL UNIVERSITY M. E. - SEMESTER – I • EXAMINATION – SUMMER • 2014

	•	code: 712302N Date: 17-06-2014	
		Name: Advance Web Technology	
Tin	ne: 02	2:30 pm - 05:00 pm Total Marks: 70	
Ins		tions:	
		Attempt all questions.	
	2.	Make suitable assumptions wherever necessary.	
Q.1	3. (a)	Figures to the right indicate full marks.  Briefly explain the Servlet Life Cycle.	07
Ų.1	(a) (b)	Define or Explain following:	07
	(6)	(i). Div tag in HTML (v). Page Scope in JSP	07
		(ii). JSP directives (vi). CSS	
		(iii). DHTML (vii). PageConext	
		(iv). XML JSTL tags	
Q.2	(a)	Develop a HTML Web Page for Payment Fee Receipt for ME Exam fee to	07
	<i>a</i> >	Gujarat Technological University	0.5
	<b>(b)</b>	What is XMLHttpRequest Object? How it is used to create AJAX based Application.	07
		OR	
	(b)	Write Java script program for displaying the table of Numberøs having the number input given by HTML form.	07
Q.3	(a)	Explain the Life cycle of JSP page.	07
	(b)	Explain various ServletEvents and corresponding Listener classes.	07
		OR	
Q.3	(a)	Give the difference between:	07
		<ul><li>(i). ServletConfig and ServletContext object.</li><li>(ii). TagSupport and BodyTagSupport class.</li></ul>	
		(ii). include Directive & jsp:include tag.	
	(b)	Develop Student JavaBean having AddStudentInfo Method for adding data	07
	( )	and	
		DisplayStudentInfo Method and write JSP page having StudentForm using	
		HTML Form and use Student Javabean and display the Studentøs	
		Information using DisplayStudentInfo method of Javabean in JSP Page.	
Q.4	(a)	What is the JSP Expression Language? Give Sample examples of JSP-EL with correct syntax in JSP page.	07
	(b)	Explain various Core tags in JSTL library. And develop a Web application to	07
	(~)	demonstrate the use of the core tag library.	0.
		OR	
Q.4	(a)	List various implicit objects in JSP. Explain with example code fragment.	07
	<b>(b)</b>	Create a Java Servlet API Login Application using Session Tracking.	07
Q.5	(a)	Explain the JSF architecture and show the JSF request processing life cycle.	07
	<b>(b)</b>	What is JPQL? Develop a Sample Application using JPQL for Student	07
		Information containing Student name, studentøs Marks Details.	
0.5	(a)	OR What is Java Parsistant? How Entity can be manned to Java Object, show it	Λ.7
Q.5	(a)	What is Java Persistent? How Entity can be mapped to Java Object, show it using Object Relation Mapping in Java Persistent API.	07
	(b)	Explain the following: (i). Servlet Collaboration	07
	(~)	(ii). Classic Tag Handler & its life cycle.	

1