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GUJARAT TECHNOLOGICAL UNIVERSITY M. E. - SEMESTER – I • EXAMINATION – WINTER • 2013

Subject code: 712302N Date: 26-12-2013 **Subject Name: Advance Web Technology** Time: 10.30 am - 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. (a) Explain Servlet lifecycle. 07 **Q.1** Write a Servlet program to print time on server. 07 **Q.2** (a) Explain the use of following JSP action elements with example. **07** 1. <jsp:include> 2. <jsp:useBean> **(b)** Explain ServletContext and ServletConfig in detail. 07 OR (b) What is session management? Explain session management in Servlet 07 with HTTPSession. (Give proper example) Q.3 Explain the standard directory structure of J2EE web application. 07 **(b)** Write a note of JSP tag extension with example. 07 Q.3 What is deployment descriptor? Explain various configuration 07 parameters of it. (b) What is JSTL? Which tag libraries are available in JSTL? Enlist 07 important tags of each JSTL tag library. **Q.4** (a) Write a note of Object Relational mapping. 07 Explain JSF request processing lifecycle. **07** OR **Q.4** (a) Write a note on Hibernate. 07 Explain JSF input validation with example. **Q.4** 07 **Q.5** What is CSS? Explain various advantages of using CSS. 07 (a) 07 **(b)** 1. Write an HTML code to generate following output. Cell2 Cell3 Cell1 Cell4 Cell5 Cell6 Cell7 2. Explain regular expression object of Java script. **Q.5** (a) Which are various types of CSS? Explain external CSS in detail. **07 (b)** Write a note on AJAX. 07
