

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**ME – SEMESTER I (OLD) – • EXAMINATION – SUMMER 2016**

**Subject Code: 712302N**

**Date:17/05/2016**

**Subject Name: Advance Web Technology**

**Time:02:30 pm to 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.

- Q.1** (a) Write and explain JSP lifecycle. **07**  
(b) Enlist various implicit objects of JSP. Explain any two implicit objects with their methods. **07**
- Q.2** (a) What do you mean by priority in CSS? How priority is supported with CSS? **07**  
(b) Write and explain various form controls (button, textbox, dropdown etc.) in HTML. **07**
- OR**
- (b) Explain Servlet API. Also discuss about some important classes. **07**
- Q.3** (a) Draw and explain J2EE architecture. **07**  
(b) What do you mean by session management? Explain about any one method for managing sessions. **07**
- OR**
- Q.3** (a) What is the use of XMLHttpRequest in AJAX? Give proper example of it. **07**  
(b) Explain the concept of action tags in JSP. **07**
- Q.4** (a) What is JSTL? Explain various tags in core library of it. **07**  
(b) Write a note of JSF. **07**
- OR**
- Q.4** (a) Give differences between cookies and session object. **07**  
(b) Write note on Object relational mapping. Also discuss about Hibernate. **07**
- Q.5** (a) Create HTML form for login. Write a Servlet program to validate user. (consider hardcoded username and password as admin:admin) **07**  
(b) Write JSP program to display current date and time on webpage. **07**
- OR**
- Q.5** (a) Create registration form in HTML (name, age, email, address). Also write Java script to do following client side validations. **07**  
- Age must be number between 0 and 100  
- Email address must have . and @  
- Name can't have digits  
(b) Write Servlet program to demonstrate Servlet lifecycle. **07**

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