

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA - SEMESTER- IV EXAMINATION – SUMMER - 2016

Subject Code:2640002**Date: 27-05-2016****Subject Name: Web Technology and Application Development (WTAD)****Time:10.30a.m. To 01.00p.m.****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)** Attempt the following : **07**
- (1) _____ listener is notified when attributes are added, removed or replaced in servlet context.
 - (2) _____ class is useful to modify the response while using filters.
 - (3) Error between 400 and 499 represents ____.
 - (4) With <jsp:include> we are allowed to insert ____ of included page.
 - (5) While using application scope, the attribute will be stored in ____.
 - (6) To print “\${“ in our page ____ character is used.
 - (7) div is a valid EL operator. (True/False)
- (b)** Explain life cycle of Servlet by giving suitable code example **07**
- Q.2 (a)** Servlets are more useful for programming task - JSPs are more useful for generating output : Justify your answer with usage of requestDispatcher and appropriate example. **07**
- (b)** (1) Servlet uses two generalize methods doGet and doPost in its lifecycle service() method. - Which is to be used when ? Justify your answer by giving difference between both of them. **04**
- (2) In one JSP page another JSP page can be included using two different ways - explain both the ways with proper justification. **03**
- OR**
- (b)** EL is useful for shorthand notations - Sometimes EL creates problem and we need to stop using EL - Discuss in detail how we can stop using EL in our application with proper justification. **07**
- Q.3 (a)** Explain the use of getParameter(), getParameterValues() and getParameterNames() with suitable example. **07**
- (b)** (1) Explain any five response headers in detail. **05**
- (2) Explain following two status codes in detail **02**
- (a) 204 (b) 401
- OR**
- Q.3 (a)** Explain steps for sending and receiving cookies with suitable example **07**
- (b)** Explain any five attributes of <%@ page> **07**
- Q.4 (a)** Write down steps for Java Database Connectivity in detail with example. **07**

- (b) Explain following deployment descriptor tags in detail **07**
- (1) <context-param>
 - (2) <error-code>
 - (3) <display-name>
 - (4) <include-prelude>
 - (5) <mime-mapping>
 - (6) <error-page>
 - (7) <jsp-file>

OR

- Q.4** (a) What is JSTL? Explain c:out, c:forEach, c:forTokens, c:if ,c:choose Tags with example **07**
- (b) Explain the use of Prepared Statement with suitable example. **07**

- Q.5** (a) Explain steps to create form based authentication with suitable example. **07**
- (b) Write down steps for creating java based tag files with example. **07**

OR

- Q.5** (a) What is Filters? Write down steps for creating filters. **07**
- (b) Write a servlet that just says "Hello." Use a red background and a yellow foreground for Internet Explorer users; use a yellow background and a red foreground for Firefox and other non-IE users. **07**
