

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA - SEMESTER-IV • EXAMINATION – WINTER • 2014

Subject Code: 640002**Date: 29-11-2014****Subject Name: Web Technology and Application Development****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.

- Q.1** (a) 1. How can we prevent evaluation of Expression Language in JSP? Give Example. **02**
 2. What is the role of deployment descriptor? **02**
 3. What is JSTL? What is the use of it? **02**
 4. Which tag is used to write JavaScript in HTML? **01**
- (b) 1. Explain functionality of Join() & Reverse() function of array in JavaScript. **02**
 2. What is the use of 'Referer' header? Explain with example. **02**
 3. Explain the benefits of Cookies. **03**
- Q.2** (a) 1. What kind of information 500-599 status code provides? **01**
 2. Explain basic structure of HTML document. **03**
 3. Explain various dialog box provided by JavaScript. **03**
- (b) Define Servlet. Explain the life cycle methods of Servlet. **07**
- OR**
- (b) Give the use and example of following methods of Session object: **07**
 a. Object getAttribute(String name)
 b. Enumeration getAttributeNames()
 c. void setAttribute(String name, Object value)
- Q.3** (a) Define Cookies. How will you send and receive cookies in Servlet? Explain with appropriate example. **07**
- (b) Explain Table tag of HTML with example. **07**
- OR**
- Q.3** (a) 1. Explain the steps required for creating basic filters. **05**
 2. What is the difference between doGet() and doPost() method of servlet? **02**
- (b) What do you mean by Basic authentication? What are the advantages of it? What steps are required to implement Basic authentication? **07**
- Q.4** (a) Give use and example of following methods of Response object. **07**
 a. setHeader(String headerName, String headerValue)
 b. setContentType(String mimeType)
 c. addCookie(Cookie e)
 d. sendRedirect(String address)
- (b) Differentiate <jsp:include> from <jsp:forward> with example. **07**
- OR**
- Q.4** (a) Explain the steps of database connection using JDBC with syntax and example. **07**
- (b) Give the use of following Tags and Explain with example. **07**
 a. c:forEach
 b. c:choose
 c. c:redirect

- Q.5 (a)** Explain following Predefined Variables of JSP: **07**
- a. Request
 - b. Response
 - c. Out
 - d. Session
 - e. Application
 - f. pageContext
 - g. page
- (b)** Explain the steps for implementing MVC with RequestDispatcher. **07**

OR

- Q.5 (a)** List down and explain attributes of JSP Page Directive with appropriate example. **07**
- (b)** What is the use of ResultSet in JDBC? Write a code in JDBC to display list of records from a table “stud_data” of “STUDENT” database in tabular format. “stud_data” table contains three field name as “STUD_NO”, “STUD_NAME” and “STUD_ADDRESS”. **07**
