

Seat No.: _____

Enrolment No. _____

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 c)
 - 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**
