Seat No.: _____   Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA SEMESTER IV • EXAMINATION – WINTER - 2017

Subject Code:2640002   **Date: 30-12-2017**
Subject Name: Web Technology & Application Development

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)** Answer the following.   **7**

1) What are the limitations of Cookie?
2) How the GenericServlet is different than HttpServlet?
3) What is the use of getQueryString() method?
4) How can you call JSP page from Servlet using RequestDispatcher?
5) web.xml is known as _____ .
6) What is war file?
7) What is the use of setMaxAge method of Cookie?

(b) Explain all important methods of HttpServletRequest with example.   **7**

Q.2 **(a)** What are the advantages of JavaScript? Discuss all the methods of String and Date   **7**
object.

(b) Explain the difference between GET and POST method in detail.   **7**

OR

(b) Give the DOM hierarchy. Explain properties, methods and events for the   **7**

text elements of HTML forms.

Q.3 **(a)** What is Session Management? How Session management carried out using   **7**
HttpSession.

(b) Explain all JSP implicit objects in detail.   **7**

OR

Q.3 **(a)** What is JSP EL? Explain with example.   **7**

(b) Explain MVC architecture using example.

Q.4 **(a)** Explain all important method of ResultSet in detail.   **7**

(b) What is JSTL? Explain c:forEach, c:forTokens, c:if, c:choose in detail.   **7**

OR

Q.4 **(a)** What is EventListener? Explain any one EventListener in detail. **7**

(b) What is Filter? How to construct and mapped the Filter in web application. **7**

Q.5 **(a)** Write the process of FORM based Authentication in detail. **7**

(b) Explain how to insert and update the data using PreparedStatement using employee table having fields EmpID, EmpName, EmpDept, EmpEmail. **7**

<div align="center">OR</div>

Q.5 **(a)** Explain the functionalities of web.xml file in web application. **7**

(b) What is Tag Library? Discuss how to make tag library? Also explain how to include Tag library in JSP page. **7**

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