

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 object. **7**

(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 text elements of HTML forms. **7**

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

(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**

OR

- 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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