

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA - SEMESTER-IV • EXAMINATION – WINTER 2016

Subject Code: 2640002**Date: 21/10/ 2016****Subject Name: Web Technology and Application Development****Time: 10.30 AM TO 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)** Answer the Following **07**
- (1) Error between 400 and 499 represents ____.
 - (2) All filters must implement _____ interface.
 - (3) _____ is only property of string object in JavaScript.
 - (4) getColumnCount is method of _____ class.
 - (5) A .jsp file will not execute if we don't map it in web.xml file (True / False)
 - (6) What gets printed when $\${12 \% 3}$ expression is evaluated ?
 - (7) use of <load-on-startup> element in web.xml file
- (b)** Explain table tag and all its attributes and suitable example **07**
- Q.2 (a)** Explain Servlet Life Cycle with suitable example **07**
- (b)** Explain <jsp:usebean> <jsp:setProperty> and <jsp:getProperty> with suitable example. **07**
- OR**
- (b)** What is SC? Discuss any five status code in brief **07**
- Q.3 (a)** Write a code snippet to add a new cookie named "user" with a value "xyz" and retrieving it. **07**
- (b)** What is Session Management ? Explain Session Management API in Detail. **07**
- OR**
- Q.3 (a)** Explain the steps for implementing MVC with RequestDispatcher. **07**
- (b)** Define Expression Language. Discuss its implicit objects. **07**
- Q.4 (a)** Explain the steps of database connection using JDBC with syntax and example. **07**
- (b)** What do you mean by Events Framework ? Explain steps for using events **07**
- OR**
- Q.4 (a)** What is Callable Statement? Describe advantages and disadvantages of it. **07**
- (b)** Explain steps in detail for defining Tag in Java **07**
- Q.5 (a)** What is JSTL? Explain with example: c:ForTokens, c:redirects, c:catch, c:import, and c:param **07**
- (b)** What do you mean by Filters ? Explain with context to Servlet and JSP **07**
- OR**
- Q.5 (a)** What is difference between declarative security and programmatic security? Describe the steps involved in form-based security. **07**
- (b)** Explain following terms with reference to your deployment descriptor file **07**
- (1) <welcome-file-list> (2) <context-param> (3) <error-page> (4) <icon> (5) <load-on-startup> (6) <url-pattern> (7) <distributable>
