

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA – SEMESTER IV – • EXAMINATION – WINTER - 2018

Subject Code: 2640002

Date: 19/11/2018

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. What is the extension of the external javascript file?
 2. Which attribute is used to set the visibility of any form element?
 3. 500-599 represent which type of errors?
 4. setMaxAge() method of Cookie class takes _____ as parameter.
 5. getParameter() method of HttpServletRequest class takes _____ as parameter.
 6. Which tag is used to declare listeners in the deployment descriptor?
 7. What is purpose of load-on-startup element in web.xml file?
- (b)** Answer the Following **07**
1. Status code 200 means successful execution. (True / False)
 2. What is the purpose of auth-method tag?
 3. What is the purpose of security-constraint tag?
 4. What is the purpose of URL rewriting?
 5. c:out tag is similar to scripting expression. <%= %> (True / False)
 6. c:when tag is used with c:choose tag. (True / False)
 7. Which method is used to get the length of the content in post request?
- Q.2 (a)** List the life cycle methods of servlet. Also discuss each of them. **07**
- (b)** List request headers. Discuss any 4 of them. **07**
- OR**
- (b)** What is status code? What are the different ranges of status codes? Discuss any five status code in brief. **07**
- Q.3 (a)** Give the names of JSP directives. Discuss all attributes of JSP page directives. **07**
- (b)** Discuss the sending and receiving of cookies between the client and the server. **07**
- OR**
- Q.3 (a)** List down the Cookie attributes and discuss any 4 of them. **07**
- (b)** Explain usage of <jsp:usebean> <jsp:setProperty> and <jsp:getProperty> with suitable example. **07**
- Q.4 (a)** What is Declarative security? Discuss the steps for providing Form-Based Authentication. **07**
- (b)** 1. Differentiate between <jsp:forward> and <jsp:include>. **03**
2. What is the full form of EL? How can EL be deactivated for multiple JSP pages? **04**
- OR**
- Q.4 (a)** Discuss how MVC architecture can be implemented using RequestDispatcher. **07**
- (b)** What is PreparedStatement? Discuss its advantages and disadvantages. **07**
- Q.5 (a)** What is JSTL? Discuss usage of c:out, c:forEach, c:forTokens, c:if ,c:choose Tags with example. **07**

(b) Discuss how a custom tag can be created. **07**

OR

Q.5 (a) What are filters? Explain the steps for creating a filter that will be called for all servlets using suitable example. **07**

(b) Discuss the steps for creating a listener which will listen to session creation and destruction. **07**
