

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**MCA - SEMESTER- IV • EXAMINATION – SUMMER 2016**

**Subject Code: 640002****Date: 27-05-2016****Subject Name: Web Technology & Application Development****Time: 10.30a.m. To 01.00p.m.****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)** Briefly explain following terms in short **07**
1. Alert() in Java Script
  2. CGI
  3. Cookie
  4. XML
  5. MVC
  6. EL
  7. JDBC
- (b)** Fill in the blanks for the following **07**
1. In JDBC Type-4 driver is also called as \_\_\_\_\_.
  2. The JSTL element which works instead of “multiple if” is \_\_\_\_\_.
  3. \_\_\_\_\_ method of PreparedStatement class is used to set integer value for the parameter.
  4. Output of  $\{10+20\}$  will be \_\_\_\_\_.
  5. Status Code 404 is for \_\_\_\_\_.
  6. \_\_\_\_\_ method of HttpServletRequest object is used to read header details.
  7. The \_\_\_\_\_ default method is executed after service() method in servlet object. (doGet() or doPost()).
- Q.2 (a)** Briefly explain life cycle of Servlet. **07**
- (b)** Explain any two from the following with reference to JavaScript **07**
- alert()                      - confirm()                      - prompt()
- OR**
- (b)** Briefly explain Arrays in JavaScript with its properties. **07**
- Q.3 (a)** What do you mean by Cookies ? Explain Cookies with reference to servlet along with related methods. **07**
- (b)** Briefly explain implicit objects of JSP **07**
- OR**
- Q.3 (a)** What do you mean by Session ? Explain how session management is done using servlet including methods of servlet. **07**
- (b)** What do you mean by Beans ? Explain along with `<jsp:useBean>`, `<jsp:setProperty>` and `<jsp:getProperty>` **07**
- Q.4 (a)** What do you mean by JSP EL ? Explain how to ignore EL in your JSP page. **07**
- (b)** What is Deployment Descriptor file ? Explain briefly. **07**
- OR**
- Q.4 (a)** What do you mean by Filters ? Explain with context to Servlet and JSP **07**
- (b)** Briefly explain `<c:forEach>` and `<c:forTokens>` as JSTL. **07**

- Q.5 (a)** Explain different types of Statement objects. Briefly describe CallableStatement in detail. **07**
- (b)** Explain any two from the following **07**  
- `<c:if>` - `<c:redirect>` - `<c:param>`
- OR**
- Q.5 (a)** What do you mean by ResultSet ? Explain various methods along with one small example. **07**
- (b)** 1. Explain the difference between `<jsp:include>` and `<%@include....>` **04**  
2. Explain the difference between `response.sendRedirect()` and `RequestDispatcher`. **03**

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