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

Subject Code: 640002   **Date: 01/06/2017**
Subject Name: Web Technology & 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)** **State TRUE or FALSE**   **07**

   1) The role of web.xml file is as Deployment Descriptor for a Java based web site.
   2) In JSTL, <c:choose> can be considered as optional to "if…else".
   3) <jsp:getProperty> can't be used without using <jsp:useBean>.
   4) The default method which is called for a servlet is doGet() with only Request parameter.
   5) Output of \${10+20} will be ${10+2}.
   6) Callable Statements are used to call functions or procedures which are written on database side.
   7) There is no difference between sendRedirect() method of HttpRequest and forward() method of RequestDispatcher class.

   (b) What are implicit objects of JSP ? Explain briefly.   **07**

Q.2 **(a)** What do you mean by Deployment Descriptor file ? Explain briefly with example. **07**
   (b) What do you mean by Cookies ? Write a code snippet to store and load all cookies values in servlet. **07**
                                           OR
   (b) What are HTTP Response Headers ? Explain with example.   **07**

Q.3 **(a)** Explain Arrays in Javascript with example.   **07**
   (b) Briefly explain <jsp:useBean>, <jsp:getProperty> and <jsp:setProperty>   **07**
                                           OR
Q.3 **(a)** Explain Functions in Javascript with example.   **07**
   (b) Briefly explain <jsp:forward> and <jsp:include>   **07**

Q.4 **(a)** Briefly explain JSP life cycle.   **07**
   (b) Explain the difference between Statement and PreparedStatement in JDBC.   **07**
                                           OR
Q.4 **(a)** Briefly explain life cycle of Servlet.   **07**
   (b) What do you mean by ResultSet ? Explain different types of ResultSet with related methods. **07**

Q.5 **(a)** Briefly explain <c:forEach> and <c:forTokens> in JSTL.   **07**
   (b) Explain how session management is done in Servlet.   **07**
                                           OR
Q.5 **(a)** Briefly explain <c:if> and <c:choose> in JSTL.   **07**
   (b) What do you mean by JavaBeans ? Explain with example.   **07**

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