

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

Subject Code: 2640002**Date: 01/06/2017****Subject Name: Web Technology & Application Development (WTAD)****Time: 10.30 AM TO 01.00PM****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) i. Interim Statement is one the type of Statement as far as JDBC concerns. **07**
(True / False)
 ii. A status codes 200-299 are informational messages. **(True / False)**.
 iii. Filters can be used for both Servlet and JSP. **(True / False)**.
 iv. A method executeUpdate() returns a Boolean value. **(True / False)**.
 v. _____ is the output of eval(“2” + “0.29”) in JavaScript.
 vi. In a Servlet, we are using HTML code inside Java Code. **(True / False)**.
 vii. <%@ include file= ...> and <jsp:include page=...”> are the same. **(True / False)**.
- (b) Explain Servlet life cycle with sample code which prints today’s date **07**
- Q.2** (a) Using JavaScript write a function to generate a random capital letter. **07**
 (b) Explain Request Headers. **07**
- OR**
- (b) Explain Response Headers. **07**
- Q.3** (a) “Cookies are playing significant role in today’s world of e-Commerce”. Justify this statement with your understanding of Cookies. **07**
 (b) Which security you can apply to your Web Applications? Explain in detail. **07**
- OR**
- Q.3** (a) “HttpSession are more secured ways to manage sessions on Web Applications”. Justify this statement with your understanding of HttpSession. **07**
 (b) “Separating data, business logic and presentation is a modern way managing web applications”. Do you agree? Justify. **07**
- Q.4** (a) How we can use directives in JSP? Give any five examples. **07**
 (b) What is Statement? Explain in brief: Types of Statement in JDBC. **07**
- OR**
- Q.4** (a) Explain in detail: the implicit objects available to JSP. **07**
 (b) What is JDBC? Explain types of JDBC Drivers. **07**
- Q.5** (a) What is JSTL? Explain with example: c:ForTokens, c:redirects, c:catch, c:import, and c:param **07**
 (b) List down in how many ways we can invoke Java code in JSP. **07**
- OR**
- Q.5** (a) What is the purpose of .tld file? Explain how to create custom tag with attributes with suitable example. **07**
 (b) How we can pre process request before sending it to the Servlet? Explain with example. **07**
