

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA - SEMESTER-IV • EXAMINATION – SUMMER • 2015

Subject Code: 2640002

Date: 13-05-2015

Subject Name: Web Technology and Application Development

Time: 10:30 am - 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)**
- i. getColumnNo() is a method which returns number of columns in the ResultSet. (True / False) **07**
 - ii. getCharCodeAt(3) for the string "Gujarat" returns 106. (True / False).
 - iii. 500-599 HTTP error codes represents Redirection. (True / False).
 - iv. A method executeUpdate() returns an object of ResultSet. (True / False).
 - v. response.setHeader("Refresh","7") will refresh page after every 7 minutes. (True / False).
 - vi. If you press OK in confirm dialog box in JavaScript it returns 0. (True / False)
 - vii. <%@ include file= ...> and <jsp:include page=""> are the same. (True / False).
- (b)** Explain Servlet life cycle with sample code which prints "Hello World". **07**
- Q.2 (a)** Explain any five methods of Math Object with example. Also write a JavaScript code to generate random number between 0 to 9. **07**
- (b)** Briefly discuss any five HttpServletRequest methods with example. **07**
- OR**
- (b)** Briefly discuss any five HttpServletResponse methods with example. **07**
- Q.3 (a)** What is Cookie? How we can manage cookies for session management? Explain with example. **07**
- (b)** Explain declarative security and programmatic security. **07**
- OR**
- Q.3 (a)** How HttpSession is helpful to us for managing session? Explain with example. **07**
- (b)** What is MVC? Explain in briefly required step for implementing MVC. **07**
- Q.4 (a)** What is JSP directive? Explain page directive with attributes. **07**
- (b)** What is Callable Statement? Describe advantages and disadvantages of it. **07**
- OR**
- Q.4 (a)** Explain in detail: the implicit objects available to JSP. **07**
- (b)** What is Prepared Statement? Explain the usage of it with sample code. **07**
- Q.5 (a)** What is JSTL? Explain with example: c:ForTokens, c:redirects, c:catch, c:import, and c:param **07**
- (b)** Explain how we can use JavaBeans in JSP page. **07**
- OR**
- Q.5 (a)** What is Expression Language (EL)? Also explain its implicit objects. **07**
- (b)** What is Filters? What is the use of it explain with example. **07**
