

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**MCA - SEMESTER- IV • EXAMINATION – WINTER 2020**

**Subject Code:4649305****Date:05/01/2021****Subject Name:Java Web Technology****Time:02:00 PM to 04:00 PM****Total Marks: 56****Instructions:**

1. Attempt any FOUR questions out of EIGHT questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1 (a) Explain the following Terms: (Any 7) 07  
1) Accept Charset  
2) isErrorPage  
3) <jsp:include>  
4) Accept-Encoding  
5) <% @ page ... %>  
6) <c:out>  
7) RequestDispatcher
- (b) What are Cookies ? Explain Cookies with reference to servlet along with related methods. 07
- Q.2 (a) "HTTP is a stateless protocol." – justify the statement with various HTTP 1.1 Status Codes. 07  
(b) Write a servlet program to display "Hello World" with HttpServletRequest Headers. 07
- Q.3 (a) Write a difference between Session Cookies and Persistent Cookies and also explain methods available for Session Tracking. 07  
(b) Explain various JSP implicit objects. 07
- Q.4 (a) Explain getProperty(), setPropertyName() and <jsp:useBean> with suitable example. 07  
(b) What is EL? Write any five implicit objects of EL with example. 07
- Q.5 (a) What is JSTL? Explain with example: c:ForTokens, c:redirects, c:catch, c:import, and c:param 07  
(b) What is MVC? Write a code snippet for Login functionality in MVC architecture. 07
- Q.6 (a) What is Filters? Explain the steps for creating Filters in context to servlet and JSP. 07  
(b) Explain ServletRequestListener with all other ServletContextListener. 07
- Q.7 (a) What is POJO ? Discuss any two strategies in Spring framework for simplifying Java Development. 02  
05  
(b) Explain the steps for database connection using JDBC with example. 07
- Q.8 (a) Explain Spring Wiring Beans with example. 07  
(b) What is the purpose of .tld file? Explain steps to create custom tag with attributes. 07

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