

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**MCA– SEMESTER –IV EXAMINATION –SUMMER-2019**

**Subject Code:4649305****Date: 21-05-2019****Subject Name: Java Web Technology****Time:10.30 am to 1.00 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)** Answer the following. **07**
1. Servlet interface can be inherited to create a servlet. (True / False)
  2. \_\_\_\_\_ method takes a parameter name as a parameter and returns the value of the named parameter as a String.
  3. “application” is one of the possible values for the scope of beans. (True / False)
  4. response.setIntHeader(“Refresh”,10) will refresh page after every 10 seconds. (True / False)
  5. Write the syntax of using JSP expression language to print a variable.
  6. Statement.executeUpdate() returns an object of ResultSet. (True / False)
  7. <%@ include file= ...> and <jsp:include page=...”> are the same. (True / False)
- (b)** Explain the life-cycle of a Servlet. **07**
- Q.2 (a)** List all the request headers. Explain any 4 of them using suitable examples. **07**
- (b)** Using code, explain how to read form data using request object in a servlet. **07**
- OR**
- (b)** Explain how can a JPEG file be generated in a servlet. **07**
- Q.3 (a)** Explain the different ways of session management and list their advantages and disadvantages. **07**
- (b)** What is the purpose of Cookies? Explain the flow of cookies between the client and the server using appropriate example. **07**
- OR**
- Q.3 (a)** What are status codes? Explain its different categories? How can a status code be set in a response? **07**
- (b)** What are the three types of scripting elements in JSP? With suitable examples, explain each of them. **07**
- Q.4 (a)** List the different attributes of JSP page directive. Explain any 3 of them using suitable example. **07**
- (b)** Explain the steps of how RequestDispatcher can be used for implementing MVC. **07**
- OR**
- Q.4 (a)** What are Beans? Explain different ways of sharing beans. **07**
- (b)** Write down steps for Java Database Connectivity in detail with example. **07**
- Q.5 (a)** List the listeners supported on the server side. Explain any two of them. **07**
- (b)** Explain the steps of creating form based authentication. **07**
- OR**
- Q.5 (a)** What are filters? Explain the steps of creating filters. **07**
- (b)** What is programmatic security? What are its advantages? List the steps for handling all security programmatically. **07**

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