

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

MCA – SEMESTER – V • EXAMINATION – SUMMER 2018

Subject Code: 3650005

Date: 07-May-2018

Subject Name: Java Web Technologies (JWT)

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) HTML elements with no content are called _____ elements.
 - (2) ResultSet.getMetaData() returns the object of ____ .
 - (3) Write four main methods of HttpServletRequest.
 - (4) How array can be declared in JavaScript?
 - (5) Write the JSP comment syntax.
 - (6) What are the four possible values of scope attribute in jsp:useBean?
 - (7) What is status code?
- (b) 02**
- (1) What are the major differences between doGet() and doPost()? **02**
 - (2) Provide difference between GenericServlet and HttpServlet. **02**
 - (3) Differentiate request forward and request redirect. **03**
- Q.2 (a) Explain Servlet Life Cycle with suitable example. 07**
- (b) What is the use of JSP directive? Explain the page directive with attributes. 07**
- OR**
- (b) Explain in detail jsp:include action and include directive. 07**
- Q.3 (a) What is Cookie? Differentiate session cookie with persistent cookies. 07**
- (b) What is JavaBean? How JavaBean can be used in web application explain it with suitable example. 07**
- OR**
- Q.3 (a) What is Session Management? Explain Session Management API in Detail. 07**
- (b) Write down step to generate JPEG Image in servlet 07**
- Q.4 (a) What is JSTL? Explain c:forEach and c:forTokens Tag with example 07**
- (b) Explain the steps of database connection using JDBC with syntax and example. 07**
- OR**
- Q.4 (a) Explain the steps for implementing MVC with RequestDispatcher. 07**
- (b) What is Callable Statement? Describe advantages and disadvantages of it. 07**
- Q.5 (a) Explain Tag Library Components in detail. 07**
- (b) What is Filters? Write down steps for creating filters. 07**
- OR**
- Q.5 (a) Define Expression Language. Discuss its implicit objects. 07**
- (b) List and explain steps to create form based authentication. 07**
