

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**MCA– SEMESTER II- EXAMINATION –SUMMER-2024**

**Subject Code: 629408**

**Date: 11/06/2024**

**Subject Name: Java Web Technologies**

**Time: 10:30 AM TO 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.
4. Use of simple calculators and non-programmable scientific calculators are permitted.

- Q.1 (a) Do as Directed. 07**
- i. What is the return type getCookies() method.
  - ii. ----- method extracts a previously stored value from a session object
  - iii. -----class breaks the service() method into doPost() and doGet() methods.
  - iv. What is the use of getParameterValues() method
  - v. What is the use of Jsp:fallback Element.
  - vi. What types of comments are available in the JSP?
  - vii. Write the XML syntax of expression tag.
- (b) What is Servlet? Explain the Life Cycle methods of servlet. 07**
- Q.2 (a) What is QueryString? How do I call a servlet with parameters in the URL? 07**
- (b) What are the main method of HttpServletResponse interface? Explain the method which are used to add cookies to response headers. 07**
- OR**
- (b) What is CGI? How to access the standard CGI variables? 07**
- Q.3 (a) Explain ServletContext and ServletConfig with example 07**
- (b) Explain how Cookies are send and received by the servlet. Explain with suitable example. 07**
- OR**
- Q.3 (a) Explain session tracking. What is use of session tracking in the web? Explain with example. 07**
- (b) What is the Descriptor file? Explain any five tag of this file 07**
- Q.4 (a) Explain various scripting elements used in JSP. 07**
- (b) What is a custom tags in JSP? What are the components that make up a tag library in JSP? 07**
- OR**
- Q.4 (a) What is the different between Forwarding Request from JSP and Forwarding request from Servlet? 07**
- (b) Give the names of JSP directive. Briefly explain all attributes of JSP page directive. 07**
- Q.5 (a) What is Expression Language? Explain operator of Expression Language 07**
- (b) What is javabean? Explain elements of java bean. 07**
- OR**
- Q.5 (a) What is the Statement? What is the use of PreparedStatement in JDBC? List out various methods of PreparedStatement. 07**
- (b) What is declarative security? Describe the steps involved in form-based Authentication. 07**