

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA– SEMESTER –V EXAMINATION – SUMMER-2019

Subject Code: 3650005

Date: 08-05-2019

Subject Name: Java Web Technologies

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) Do as directed.

- i) Define Terms (ANY THREE) : Servlet, HTTP, URL, DI, POJO. **03**
- ii) Give one difference between Session cookies and Persistent cookies. **01**
- iii) What is the meaning of "Referrer" request header? **01**
- iv) `<%@ include file= ...>` and `<jsp:include page=...>` are the same. (True / False). **01**
- v) 500-599 HTTP error codes represents Redirection. (True / False). **01**

(b) What is Status Codes (SC)? Explain any 5 status codes with example. 07

Q.2 (a) Explain Servlet life cycle with sample code which prints "Hello World". 07

(b) What is the use of session tracking? Write code snippet for creating session and storing values in session. 07

OR

(b) What is Cookie? Explain how to create, read, write and delete cookies using suitable example. 07

Q.3 (a) i) Difference between `<jsp:forward page = ..>` and `response.sendRedirect(url)`. 04

ii) Discuss advantages of Servlet. 03

(b) What do you mean by filter? Explain the life cycle of the Servlet along with filter? 07

OR

Q.3 (a) i) What are the major differences between `doGet()` and `doPost()`? 04

ii) Discuss advantages of JSP over Servlet. 03

(b) Explain general steps for using listeners in a web application. 07

Q.4 (a) Explain in detail various implicit objects available to JSP. 07

(b) What is MVC? Discuss steps required for implementing MVC using RequestDispatcher. 07

OR

Q.4 (a) What is JSP directive? Explain page directive with attributes. 07

(b) What is Expression Language (EL)? List advantages of EL. Explain any four JSP EL operators with example. 07

Q.5 (a) What is JSTL? Explain with example: `c:import`, `c:forEach`, `c:forTokens`, `c:if` and `c:choose`. 07

(b) What is JavaBeans? Discuss `<jsp:useBean>`, `<jsp:getProperty>` and `<jsp:setProperty>`. 07

OR

Q.5 (a) List Various Spring Modules. Explain any one. 07

(b) Write a code to create a student bean to store and retrieve the information like seatno, full_name and grade. 07
