GUJARAT TECHNOLOGICAL UNIVERSITY
MCA – SEMESTER-IV   EXAMINATION –SUMMER-2020

Subject Code:4649305   **Date:07-11-2020**
Subject Name:Java Web Technology (JWT)
Time:02:30 PM TO 05:00 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)**	Explain the Servlet Life Cycle in details.	**07**
	(b)	What are Cookie? List its attributes and explain any five attributes of Cookies.	**07**
Q.2	**(a)**	Explain any seven attributes of the JSP page directive.	**07**
	(b)	Diffrentiate Servlet and JSP.	**07**
		OR	
	(b)	What do you mean by Session Tracking? Explain various ways of Session Tracking.	**07**
Q.3	**(a)**	What are Beans? Explain different ways of sharing Beans.	**07**
	(b)	What is a web.xml file? Discuss any six elements of web.xml file.	**07**
		OR	
Q.3	**(a)**	What are Packages? Explain Servlet Packaging with suitable example.	**07**
	(b)	Explain any seven standard CGI variables.	**07**
Q.4	**(a)**	Explain sendRedirect() and sendError() with suitable example.	**07**
	(b)	Explain HttpSessionListener with suitable example.	**07**
		OR	
Q.4	**(a)**	Explain steps to create form based authentication in details.	**07**
	(b)	What is MVC? Justify the meaning of each word in its full-form. What is importance of using MVC?	**07**
Q.5	**(a)**	How to accesss database using JDBC? Explain all steps with suitable example.	**07**
	(b)	Explain headers supported by HTTP 1.1 in details.	**07**
		OR	
Q.5	**(a)**	Explain setting Response Headers from Servlets with suitable example.	**07**
	(b)	Write Servlet code to demonstrate how the client (browser) can remember the last time it visited a page and displays the duration of time since its last visit.	**07**

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