



Programme: B. Tech (CSE)

Course: Web Technology

Course Code:3TECCS313

Enrolment no. \_\_\_\_\_

Full Marks: 70

Time: 3 Hrs.

Q.No.	Questions	CO	Bloom Taxonomy Category	Marks
<b>Section I</b>				
1	<b>Short Answer type questions.</b>			
a	How do you insert an image in an HTML document? Provide an example.	CO1	Understand	<b>4 x 5 = 20</b>
	or			
b	What are Cascading Style Sheets (CSS)? Mention any three CSS properties.	CO1	Remember	
	or			
c	Define JDBC and explain its purpose.	CO3	Understand	
	or			
d	What are JDBC driver types? List and briefly describe them.	CO3	Remember	
	or			
e	Explain the role of scripting elements in JSP.	CO4	Understand	
	or			
f	What is JSP and how does it differ from servlets?	CO4	Understand	
	or			
g	How does PHP interact with MySQL? Provide a brief explanation.	CO5	Understand	
	or			
	Explain the use of PHP functions with examples.	CO5	Understand	
<b>Section II</b>				
	<b>Long Answer type questions.</b>			
2	Discuss the concept of Cascading Style Sheets (CSS) and their importance in web design. Provide examples of different CSS properties and their usage.	CO1	Apply	<b>3 x 10 = 30</b>
	or			
3	Discuss in detail the various HTML tags used to create tables, including attributes and examples.	CO1	Understand	
	or			
4	Describe Servlet. Analyze the benefits of Servlet over other technologies. Also Explain its life cycle.	CO3	Analyze	
	or			
5	Explain Servlet packages, classes and interface for servlet programming in brief.	CO3	Understand	
	or			
6	Explain the lifecycle of a JSP page from creation to destruction.	CO4	Understand	
	or			
	Discuss how data can be shared between JSP pages.	CO4	Understand	
<b>Section III</b>				
	<b>Application based questions</b>			
7	Develop a simple HTML page with embedded CSS and JavaScript that includes a form to collect user information (name, email, and message). The form should validate the input using JavaScript	CO1	Create	<b>1 x 20 = 20</b>
	or			
	Explain how JavaScript can be used to dynamically manipulate HTML elements. Provide an example script that changes the content and style of an HTML element.	CO1	Create	

**COURSE OUTCOME**

CO1 Students are able to develop a dynamic webpage by the use of java script and DHTML.

CO2 Students will be able to write a well formed / valid XML document.

CO3 Students will be able to connect a java program to a DBMS and perform insert, update and delete operations on the DBMS table.

CO4 Students will be able to write a server side java application called Servlet to catch form data sent from client, process it and store it on a database.

CO5 Students will be able to write a server side java application called JSP to catch form data sent from client and store it on database.