



R20 Regulation

Subject code:3P5HB

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A+' Grade)

B.Tech V Semester Supplementary Examinations, May 2025

WEB TECHNOLOGIES

(CSE(DS))

Maximum Marks: 70

Date: 19.06.2025

Duration: 3 hours

- Note: 1. This question paper contains two parts A and B.
 2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
 3. Part B consists of 5 Units. Answer any one full question from each unit.
 4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks (10X2M=20 Marks)		Marks	CO	BTL
1	What is the use of \$ symbol in PHP? Explain it with an example.	2M	1	L1
2	How to declare a string in PHP? List various string functions in PHP.	2M	1	L1
3	What is DOM?	2M	2	L1
4	What are the elements and attribute in XML?	2M	2	L1
5	When a Servlet accepts a call from a client, it receives two objects. What are they?	2M	3	L1
6	What does Servlet config interface do?	2M	3	L1
7	How are cookies used for session tracking in JSP?	2M	4	L1
8	Is it possible for one JSP to extend another java class? If yes how?	2M	4	L1
9	What is the scope of variables in JavaScript?	2M	5	L1
10	How does one access cookie in a java script?	2M	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		Marks	CO	BTL
11	a) Write a PHP script to retrieve the data from MYSQL database. b) With an example explain the casting of data types in PHP.	5M 5M	1	L2
OR				
12	a) How to execute a simple query in PHP? Illustrate. b) Write a PHP program for a simple calculator?	5M 5M	1	L2
13	Define Document type definition (DTD) in XML. What is difference between internal and External DTD.	10M	2	L2
OR				
14	Briefly explain the SAX Parsers in java.	10M	2	L2
15	a) Demonstrate the use of cookies in servlets with an example. b) Write a servlet program to retrieve data from the database.	5M 5M	3	L2
OR				
16	a) What are the two objects that a servlet receives when it accepts a call from client?	5M	3	L2

	b) How does server-side programming differ from client-side programming?	5M		
17	a) Give a brief note on Anatomy of a JSP Page. b) Discuss about various categories of JSP tags. Explain each of them with syntax and suitable examples	5M 5M	4	L2
	OR			
18	a) Discuss about various implicit objects in JSP. b) Write in brief about JSP tag extensions and libraries?	5M 5M	4	L2
19	a) Write a JavaScript to display whether given number prime or not. b) How do you create a function using function overloading?	5M 5M	5	L2
	OR			
20	a) Discuss the Document Object Model in JavaScript in detail. b) How to create a Date object using JavaScript?	5M 5M	5	L2