R22 Regulation *Subject code:4E4EE*

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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

B.Tech IV Semester Regular/Supplementary Examinations, June 2026

WEB TECHNOLOGIES

(Common to CSE, CSE(AI&ML) & CSE(DS))

Maximum Marks: 60 Date:17.06.2026 Duration: 3 hours

Note: **1.This question paper contains two parts A and B.**
2. Part A is compulsory which carries 10 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 (10X1M=10 Marks)		Marks	CO	Bloom Tx
1.a)	List the PHP features.	1M	1	2
b)	What are the different file modes used in PHP?	1M	1	1
c)	Differentiate between HTML and XML.	1M	2	2
d)	What is SAX?	1M	2	1
e)	What is the role of web.xml in servlet deployment?	1M	3	2
f)	Mention the applications of Java Servlets.	1M	3	2
g)	What are JSP directives?	1M	4	1
h)	What are implicit objects in JSP?	1M	4	1
i)	Explain how variables are declared in JavaScript.	1M	5	2
j)	What is AJAX?	1M	5	1

Part-B

Answer All the following questions. (5X10M=50Marks)		Marks	CO	Bloom Tx
2	a) Discuss strings in PHP with examples. b) Develop a PHP application that accepts user input through a web form and stores the data in a MySQL database.	5M 5M	1	3
	OR			
3	a) Explain directory handling in PHP with suitable examples. b) Demonstrate file operations opening, closing, and reading in PHP with example.	5M 5M	1	3
4	a) Explain XML tags, attributes, and values with examples. b) Discuss Document Type Definition (DTD) and explain its types with examples.	5M 5M	2	2
	OR			
5	a) Explain XHTML and discuss its features and advantages. b) Discuss XML parsing techniques DOM & SAX parser in Java.	5M 5M	2	2

6	a) Explain the life cycle of a servlet with a neat diagram. b) Discuss on parameters passing techniques in servlet with example.	5M 5M	3	2
	OR			
7	a) Write a Servlet program to read form data and store it in a database using JDBC. b) Define cookie. With an example demonstrate how to handle cookies.	5M 5M	3	3
8	a) Discuss the anatomy of JSP page and give an example. b) Explain the use of JavaBeans in JSP pages with suitable examples.	5M 5M	4	4
	OR			
9	a) Discuss HTTP session handling in JSP with suitable examples. b) Explain the steps involved in connecting a JSP application to a database using JDBC.	5M 5M	4	4
10	a) Discuss event handling in JavaScript with examples. b) Describe form validation in JavaScript with suitable examples.	5M 5M	5	3
	OR			
11	a) Compare different control structures supported by JavaScript with examples. b) Discuss different types of JavaScript functions with examples.	5M 5M	5	2