



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
(DATA SCIENCE)**

UNIT TEST-I

Class: T.E

Semester: V

Subject: Web Computing

Date: 04.09.2023

Time: 10:00am – 11:30am

Max marks: 40

Note the following instructions

- 1. Attempt all questions.**
- 2. Draw neat diagrams wherever necessary.**
- 3. Write everything in Black ink (no pencil) only.**
- 4. Assume data, if missing, with justification.**

Q.N	Questions	MARKS	CO	Blooms Taxonomy Level	POs
Q.1.	Attempt any <u>Two</u>.				
a.	Draw and illustrate 3-tier Web Architecture	[5]	CO1	L3	PO1, PO5, PO12
b.	Write a code to present XML schema with description in detail.	[5]	CO1	L3	PO1, PO5, PO12
c.	Determine the benefits of using JSON over XML data.	[5]	CO1	L3	PO1, PO5, PO12
d.	Illustrate REST API in detail.	[5]	CO1	L3	PO1, PO5, PO12
Q.2.	Attempt any <u>Two</u>				
a.	With a neat sketch explain React Component life cycle.	[10]	CO3	L3	PO1, PO5, PO12
b.	Identify various folders and file structure of React.	[10]	CO3	L3	PO1, PO5, PO12

c.	Demonstrate the use of state and Props of React.	[10]	CO3	L3	PO1, PO5, PO12
Q.3.	Attempt any <u>One</u>.				
a.	Illustrate “Window” object of JavaScript DOM. Write a JavaScript code to change the background color of the webpage automatically after every 5 seconds.	[10]	CO2	L3	PO1, PO5, PO12
b.	Use Arrow function of ES6 with an example.	[10]	CO2	L3	PO1, PO5, PO12