DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
(DATA SCIENCE)

UNIT TEST-II

Class: T.E **Semester: V** **Subject: Web Computing**

Date: 19.10.2023 **Time: 10:30am – 12:00pm** **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.No	Questions	MARKS	CO	Blooms Taxonomy Level	POs
Q.1.	**Attempt any <u>Two</u>.**				
a.	Employ cookies to set up a counter, which shows number of times the user has visited the page.	[5]	CO5	L3	PO1, PO5, PO12
b.	Examine the need of Express Router with relevance to traditional routing mechanisms.	[5]	CO5	L3	PO1, PO5, PO12
c.	Determine the procedures to apply authentication techniques in Express JS?	[5]	CO5	L3	PO1, PO5, PO12
d.	Implement REST API using Back-end web application?	[5]	CO5	L3	PO1, PO5, PO12
Q.2.	**Attempt any <u>Two</u>**				
a.	Articulate the use cases of buffers and Streams in Node JS with an example?	[10]	CO4	L3	PO1, PO5, PO12

b.	Apply EventEmitter object of event loop in Node JS life cycle?	[10]	CO4	L3	PO1, PO5, PO12
c.	Choose different types of modules in listing Node JS features?	[10]	CO4	L3	PO1, PO5, PO12
Q.3.	**Attempt any <u>One</u>.**				
a.	Implement Refs as functional component of Front-end applications and state When to use Refs and when not to use Refs?	[10]	CO6	L3	PO1, PO5, PO12
b.	Determine the importance and applicability of Flux architecture over MVC.	[10]	CO6	L3	PO1, PO5, PO12