



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

**RE-UNIT TEST-II**

**Class: T.E**

**Semester: V**

**Subject: Web Computing**

**Date: 06.11.2023**

**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.**

<b>Q.No</b>	<b>Questions</b>	<b>MARKS</b>	<b>CO</b>	<b>Blooms Taxonomy Level</b>	<b>POs</b>
<b>Q.1.</b>	<b>Attempt any <u>Two</u>.</b>				
a.	Relate Session management techniques in Express JS.	[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 generator using Back-end web application?	[5]	CO5	L3	PO1, PO5, PO12
<b>Q.2.</b>	<b>Attempt any <u>Two</u></b>				
a.	Articulate the use cases of Callback functions 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
<b>Q.3.</b>	<b>Attempt any <u>One</u>.</b>				
a.	Implement usestate() & useeffect() hooks as functional component of Front-end applications?	[10]	CO6	L3	PO1, PO5, PO12
b.	Determine the importance and applicability of Flux architecture over MVC.	[10]	CO6	L3	PO1, PO5, PO12