MANIPAL INSTITUTE OF TECHNOLOGY
BENGALURU
(A constituent unit of MAHE, Manipal)

(39) – set-c

352

SESSIONAL RECORD

DEPT.: COMPUTER SCIENCE ENGG

NAME: RUTVIK AVINASH BARBHAI

REG.NO.: 225805222

SEMESTER: VI   **SECTION:** CSE CORE-A   **ROLL NO.:** 39

SUBJECT: WEB DEVELOPEMENT

DATE OF TESTS: 4 APRIL / 2025

MAX MARKS : 15/20

MARKS OF: I TEST   II TEST

Q. No.	a	b	c	d	e	TOTAL MARKS	Q. No.	a	b	c	d	e	TOTAL MARKS
1	W	7				6	1						
2	E	10				7	2						
3	N	7				-5	3						
4							4						
5							5						
6		24					6						

(1) executed
(2) typed not executed

MARKS FOR VALUATION - I TEST

MARKS FOR VALUATION - II TEST

TOTAL IN FIGURES 18

TOTAL IN FIGURES

IN WORDS _____   **IN WORDS** _____

_____
Signature of the Candidate

_____
Signature of the Invigilator

_____
Signature of the Teacher

VIVA QUESTIONS:

Q 1	Q 2	Q 3	Q 4	Q 5	Q 6	Q 7	Q 8	Q 9	Q 10	Q 11	Q 12	Q 13	Q 14
A	D	C	B	B	P	D	B	B	C	P	B	A	B
✓	✗	✓	✓	✗	✗	✗	✓	✓	✓	✗	✓	✓	✓

FOR ROUGH WORK ONLY

MANIPAL INSTITUTE OF TECHNOLOGY
BENGALURU
(A constituent unit of MAHE, Manipal)

Department of Computer Science and Engineering

Web Programming Laboratory   Course Code: CSE_3243
Semester: VI   Mid Term Assessment – 4th April 2025
                                                    Duration: 2 hours
SET - C   Maximum Marks: 24

Program (Total: 17M) [Write-Up -7M and Execution- 10M]:

1. Design a calculator to perform basic arithmetic operations. Use textboxes and buttons to design web pages.

2. Develop a program to print 10 most frequently appearing words in a text file. [Hint: Use dictionary with distinct words and their frequency of occurrences. Sort the dictionary in the reverse order of frequency and display dictionary slice of first 10 items]

Multiple choice Questions (7 Marks)

1. What is the correct way to include jQuery in an HTML file?
   a) <script src="jquery.js"></script>   b) <jquery>
   c) <script link="jquery.js">   d) <import jquery>

2. How do you select an element with the ID "demo" in jQuery?
   a) $("#demo")   b) $(".demo")
   c) $("demo")   d) $(id="demo")

3. What is the purpose of the hide() function in jQuery?
   a) To delete an element   b) To remove an element permanently
   c) To hide an element from view   d) To change the text of an element

4. What jQuery method is used to change the text inside a <p> tag?
   a) .val()   b) .text()   c) .css()   d) .html()

5. Which Bootstrap class is used to create a responsive navigation bar?
   a) .navbar
   b) .navigation-bar
   c) .menu
   d) .nav-header

6. What class makes a button green in Bootstrap?
   a) .btn-primary   b) .btn-danger   c) .btn-success   d) .btn-green

1. Design a calculator to perform basic arithematic operations. Use textboxes and buttons to design web pages.

A.1. code For basic calculator

```html
<html>
<DOCTYPE! html>
<body>
<h2> Basic calculator </h2>
<div class = "calculator" >
<input class = "number" id = "num1"
placeholder = "2nd 1st"
<input class = "number" id = "num2"
placeholder = "2nd">    <input>   <br>
<button class = "btn" id="add">+</button>
<button class = "btn" id = "substract">-</button>
<button class = "btn" id = "multiply">X</button>
<button class = "btn" id = "divide">÷</button>
</div>
<script>
$(document).ready(function() {
    $(".btn").click(function() {
        let num1 = parseFloat($("num1").val())
        let num2 = parseFloat($("num2").val())
```

```javascript
let operation = $(this).attr("id");
let result;
if (isNaN(num1) || isNaN(num2)) {
    $(#result).text("Renter valid inputs");
    return }
switch (operation) {
case "add": result = num1+num2; break;
case "substract": result=num1-num2; break;
case "multiply": result = num1 * num2; break;
case "divide": result = num1
    if (num2 == 0) {
    $("#result").text("Undefined");
    return; }
return = num1/num2;
    break;
}
$("#result").text("Result: "+ + result)
});
});
</script>
</body>
```

Q.2) code to write the 10 most

Q. 2). Develop a program to print 10 most Frequent appearing words in a text File.

```
~~def Print most Frequent () {~~
python code implementation
numbers = []
printf ("Enter the number of inputs"):
n = int (input ())
numbers append (num)
mean = sum (numbers) / (len (numbers))
var
```

```
import re.
def get _most_Frequent_words (File_path,
num_words = 10);
with open (File_path, 'r', encoding =
'Utf 8') as File:
   text = file.read ().lower()
words = re.findall (r'/bw+\b', text)
word_counts = counter(words) =
word.most counts.most common(~~words~~)
   (num_words)
return most_common_words
```

```
if __main__
if __main__ == "__main__":
    file_path = 'Labmidterm/input.txt'
    most_frequent_words(file_path)
    For word, frequency in __most__frequen
    word
    print(f(word)' {frequency})')
```

Multiple choice VIVA Question

Q.1   a) <script src="jquery.js"> </script>

Q.2   d) $(id = "demo")

?   c) To hide an element from view

       a) :val()

       b) :navigation-bar

Q.6   d) :btn-green

Q.7   a) :img-responsive

Q.8   b) :text-center

Q.9   b) ~~text-center~~ Print "Hello" to screen

Q.10   c) X = 10

Q.11   d) list {1,2,3}

Q.12   b) For i from 1 to 5

Q.13   a) def

Q.14   b) class My class :