



# MANIPAL INSTITUTE OF TECHNOLOGY

BENGALURU  
(A constituent unit of MAHE, Manipal)

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

### MARKS FOR VALUATION - I TEST

### MARKS FOR VALUATION - II TEST

Q. No.	FOR THE TEACHER TO AWARD MARKS					TOTAL MARKS	Q. No.	FOR THE TEACHER TO AWARD MARKS					TOTAL MARKS
	a	b	c	d	e			a	b	c	d	e	
1	W	7				6	1						
2	E	10				7	2						
3	N	7				5	3						
4	(1) executed						4						
5	(2) typed not executed						5						
6	24						6						
TOTAL IN FIGURES						18	TOTAL IN FIGURES						

IN WORDS \_\_\_\_\_

IN WORDS \_\_\_\_\_

Signature of the Candidate

Signature of the Invigilator

Signature of the Teacher

## INSTRUCTION TO THE CANDIDATE

- ✓ Write the correct question number on the left-hand margin at the beginning of each answer (ex. 6 (a), 3 a(i) etc.)
- ✓ Do not write anything else in the margin.
- ✓ Do not leave any pages unused except at the end of all the answers.
- ✓ Do not write anything on the question paper other than the registration number.
- ✓ Enclose all graph sheets and charts etc. together inside the back cover page of the main answer book with a tag.
- ✓ a) Possessing or having access to any papers, books or notes which might possibly be of assistance to the candidate in answering:
- ✓ b) Copying from any papers, books or notes and
- ✓ c) Attempting to elicit from the neighbours would amount to malpractice.
- ✓ POSSESSION OF MOBILES/IPODS/PROGRAMMABLE CALCULATORS/OTHER SIMILAR ELECTRONIC GADGETS DURING EXAMINATION WOULD BE CONSIDERED AS MALPRACTICE
- ✓ Removing, tearing off any sheets from the answer book or adding any loose sheets to the answer book other than the additional book supplied by the University would amount to malpractice.
- ✓ Before answering read the instructions given in the question paper carefully.
- ✓ Handover your answer book personally to the invigilator before leaving the examination hall.

### VIVA QUESTIONS:

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14
A	D	C	B	B	D	D	B	B	C	D	B	A	B
✓	✗	✓	✓	✗	✗	✗	✓	✓	✓	✗	✓	✓	✓

# FOR ROUGH WORK ONLY

5/11





# MANIPAL INSTITUTE OF TECHNOLOGY

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## Department of Computer Science and Engineering

Web Programming Laboratory

Semester: VI

Course Code: CSE\_3243

Mid Term Assessment – 4<sup>th</sup> April 2025

Duration: 2 hours

Maximum Marks: 24

### SET - C

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 arithmetic operations. Use textboxes and buttons to design web pages.

A.1. code for basic calculator

```
<html>
<DOCTYPE html>
<body>
<h2> Basic calculator </h2>
<div class = "calculator">
<input class = "number" id = "num1"
placeholder = "1st"
<input class = "number" id = "num2"
placeholder = "2nd" <input> <br>
<button class = "btn" id = "add"> + </button>
<button class = "btn" id = "subtract"> - </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())
```



```

let operation = $(this).attr("id");
let result;
if (isNaN(num1) || isNaN(num2)) {
    $("#result").text("Enter valid inputs");
    return;
}
switch (operation) {
    case "add": result = num1 + num2; break;
    case "subtract": result = num1 - num2; break;
    case "multiply": result = num1 * num2; break;
    case "divide": result = num1 / num2;
        if (num2 == 0) {
            $("#result").text("Undefined");
            return;
        }
        break;
}
$("#result").text("Result: " + result);

```

Q2) code to write the 10 most

Q 2). develop a program to print 10 most frequent appearing words in a text file.

~~def PrintmostFrequent():~~

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'\b\w+\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\_frequent  
word

print (f (word): {frequency})

### Multiple choice VIVA Question

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

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

Q 3 c) To hide an element from view

a) .val()

b) .navigation-bar

Q 6 d) : btn-green

Q 7 d) .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 MyClass :