



# ZIMBABWE EZEKIEL GUTI UNIVERSITY

FACULTY OF SCIENCE ,TECHNOLOGY, AGRICULTURE & FOOD  
SYSTEMS DEVELOPMENT.

## DEPARTMENT OF INFORMATION SYSTEMS

### EXAMINATION PAPER

**COURSE CODE** : **BIS222**

**COURSE TITLE** : **Web Technologies**

**SPECIAL REQUIREMENTS** : **None**

**DURATION** : **3 Hours**

**LEVEL** : **2.2**

**DATE** : **May/June 2023/**

12 R/2023

12 APR 2023

#### INSTRUCTIONS TO CANDIDATES:

1. Answer All Questions in SECTION A and any three from section B
2. The total Marks for the examination is 100.
3. The marks allocation for each question are indicated in square brackets [] .

## SECTION A

Answer **ALL** questions from this section

### Question 1

Identify and explain the steps followed when setting up a website. [10 marks]

### Question 2

- a. List any five potential benefits of CSS. [5 marks]
- b. Differentiate between java and JavaScript. [5 marks]

### Question 3

With aid of valid examples explain the following HTML tags. [10 marks]

- a. <ol>
- b. <li>
- c. <br/>
- d. <div>
- e. <sup>

### Question 4

Write down your ideas about the possible drawbacks of hypertext using the following headings:

- a) Navigation Difficulties. [2 marks]
- b) No Main Catalogues. [2 marks]
- c) Network Overload. [3 marks]
- d) Link Fossilisation. [3 marks]

## SECTION B

Answer any **THREE** questions from this section

### Question 5

Write an HTML code to illustrate the usage of the following:

- a) Ordered List
- b) Unordered List
- c) Definition List. [20 marks]

### Question 6

Design an HTML form as demonstrated below and add PHP script to accept length, width, height and pass them to a parameterized function called volume() to determine and display the volume of shape xxb on the screen using a method called GET .

Hint: volume= length x width x height [20 marks]

Enter length :

Enter width :

Enter height :

12

**Question 7**

a. Create a simple HTML page having a complex table. On completion, the page will look like following. [20 marks]

Travel Expense Report

	Meals	Hotels	Transport	subtotals
<b>San Jose</b>				
25-Aug-97	37.74	112.00	45.00	
26-Aug-97	27.28	112.00	45.00	
subtotals	65.02	224.00	90.00	379.02
<b>Seattle</b>				
27-Aug-97	96.25	109.00	36.00	
28-Aug-97	35.00	109.00	36.00	
subtotals	131.25	218.00	72.00	421.25
<b>Totals</b>	196.27	442.00	162.00	800.27

**Question 8**

Write JavaScript programs with POP-UP boxes and functions to solve the following problems:

- a) Input: A number n obtained using prompt.  
 Output: A multiplication table of numbers from 1 to 10 of n using alert  
 [10 marks]
- b) Input: A number n obtained using prompt and add another number using confirm.  
 Output: Sum of the entire n numbers using alert. [10 marks]