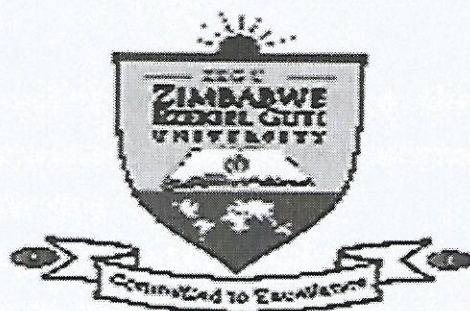


# ZIMBABWE EZEKIEL GUTI UNIVERSITY



## FACULTY OF HEALTH, SCIENCE AND TECHNOLOGY

### Department of Digital Technology

**Module: CDT110 Website Design and Internet Computing**

**Exam Duration: 4 hours**

**February June End of Semester Examination 2019**

3 June 2019

### **Instructions**

- (i) Answer all questions, the mark allocation for each question is shown in square brackets.
- (ii) Number your answers accordingly.
- (iii) The total marks for the examination is 100.
- (iv) The Examination consists of Section A which is a theory and Section B which is practical
- (v) Answer Section A and any **three** Questions from Section B
- (vi) On Section B, create a folder on Desktop with your student registration number and you are to save the practical questions with your Registration number followed by Question number e.g. R00974V\_Question2.html

## Section A – Theory Question –[25 marks]

### Question 1

- a) Mike is creating a new web site for his fraternity and decides to use frames instead of tables for the Web page structure. He decides that frames would be more advantageous for his purposes. Explain why? [2]
- b) Mary is updating her personal web site with a GUI Web-development application, and she wants to ensure that she maintains consistency throughout the site. What will she use to accomplish her goal? [3]
- c) Tino is creating a new e-commerce Web site and has decided to use frames for the site's page layout. Because he wants to make the site accessible to as many users as possible what must he do using an example [5]
- d) Frank is updating his personal Web site with a GUI Web-development application. He has created an external style sheet to maintain consistency throughout the site. How can Frank apply the styles of the external style sheet to his Web page using an example? [5]
- e) Using appropriate example, explain the difference between the following links:
- i. `<a href="http://www.yahoo.com">Click me</a>`
  - ii. `<a href="home.htm">Click me</a>`
  - iii. `<a href="#top">Click me</a>`
  - iv. `<a href="mailto:john@smith.com">Click me</a>`  
`<a href='http://www.yahoo.com' target="_blank">Click me</a>`

[5]

f) Assuming you have a navigation as shown below



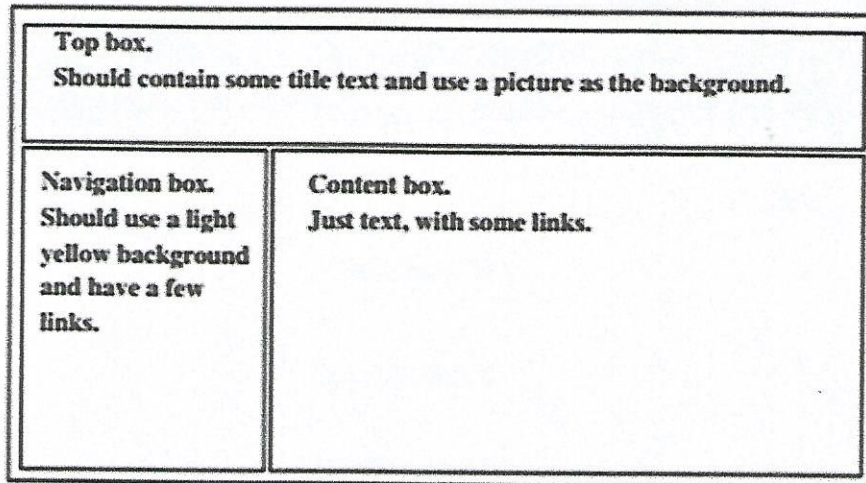
- i. Which css property would you use to create rounded corners? [2]
- ii. Write down the code you would use to ensure that only the top corners are rounded? [3]

## Section B- Practical Questions- [75 marks]

Answer any three questions from section B

### Question 2

Create an html page demonstrating use of frame as follows



In the top box, add a header and links to home, about us, shopping, contact us

The top box should be colored red, navigation box should also have links to home, about us, shopping and contact us. The background color should be blue. The content box should have text boxes for username and password and buttons in a two column table. The table should be aligned to the right. You are supposed to use CSS for formatting and when a user enters a name and password there should be a pop out message indicating the user name

[25]

### Question 3

- a) Write a program to demonstrate use of javascript of adding two variables that are integers. the result should be displayed in a pop out message box. after clicking. The values should be stored in text boxed txtNumber1 and txtNumber 2. The result should be stored in a variable total. After total use javascript to calculate the average. If average is greater than 10 then displaying greater than 10 else less than 10.

When the program has displayed the message if should ask a user to determine whether they want to continue entering numbers or not using prompt . [15]

b) Write an SQL script to create table uses with user ID as the primary key, username, password regdate. Insert one record in the database. Use mysql [10]

**Question 4**

Create the following form and use javascript to validate the details. When you click reset all values are cleared. When you click submit the systems should check with all the details have been entered

The image shows a web form titled "ENTRY FORM". It contains the following elements:

- Enter your Name :** A single-line text input field.
- Enter your Age :** A single-line text input field.
- Enter your Address :** A multi-line text area.
- Sex :** Two radio button options: "Female" and "Male".
- Languages Known :** A section with the instruction "(select more than one)" and five checkboxes: "C", "C++", "VB", "JAVA", and "OTHERS".
- Enter your Password :** A single-line text input field.
- At the bottom, there are two buttons: "Reset" and "Submit".

[25]

**Question 5**

Write a program to add two numbers using PHP. After adding the total, calculate average and the remainder. If the remainder then it should display the average and that the total is odd number or even number. After adding the result the values should be taken from their input boxes and displayed in results page in PHP. [25]

..... End of Paper.....