

# KIMABU NATIONAL POLYTECHNIC



## COMPUTER SCIENCE LEVEL 6

**UNIT: DEMONSTRATE WEB DESIGN**

**UNIT CODE:** ICT/OS/CS/CR/10/6/A

**TIME:** 2 Hours

### INSTRUCTIONS:

1. *Read all instructions carefully*
2. *This is a **practical test**. Perform all tasks as instructed.*
3. *Save all your files in a folder named **WebDesign\_Practical\_[YourName]***
4. *If your folder is not named as above, no marks will be allocated.*
5. *Ensure all external files (CSS and JavaScript) are correctly linked.*
6. *Upload or submit the entire folder when done.*
7. *Send a zipped Compressed folder to [gabqmb@gmail.com](mailto:gabqmb@gmail.com) by 12 November 11:59AM*
8. *Total Marks: **30***

## QUESTION 1: Web Page Design using HTML (10 Marks)

### Task:

Create a **web page for a local bakery** called **SweetBite Bakery** with the following specifications:

1. The page should have a **header section** with the bakery name and a slogan (e.g., *Freshness in Every Bite!*).
2. Include a **navigation bar** with links: *Home*, *About Us*, *Products*, and *Contact*.
3. Add a **main content area** with:
  - A short description of the bakery (2–3 sentences).
  - An **unordered list** of bakery products (at least five items).
  - An **image** representing the bakery or products.
4. Add a **footer** with copyright information and contact email.
5. Use proper HTML structure with `<head>`, `<title>`, and `<body>` tags.

**Save the file as:** `index.html`

### Marks Allocation (10 marks):

- Correct structure and use of semantic tags – 3 marks
- Navigation bar and links – 2 marks
- Proper use of lists, image, and text content – 3 marks
- Footer and completeness – 2 marks

## QUESTION 2: Styling with External CSS (10 Marks)

### Task:

Create an **external CSS file** to style your bakery page created in Question 1.

1. Set the **background color** of the page to a light cream (`#FFF8E7`).
2. The **header** text should be centered and use a font of your choice (e.g., Georgia, serif).

3. The **navigation bar** should have a background color (e.g., brown) with white links that change color when hovered.
4. The **main content area** should have:
  - Text color dark brown (#4B2E05).
  - Product list styled with square bullets.
5. The **footer** should have smaller text and be centered.

**Save the file as:** `style.css` and link it properly in your HTML file.

**Marks Allocation (10 marks):**

- Correct external linking and structure – 2 marks
- Background, header, and navigation styling – 3 marks
- Main content and list styling – 3 marks
- Footer styling and completeness – 2 marks

### **QUESTION 3: JavaScript (Decision-Making) (10 Marks)**

**Task:**

Add a **JavaScript file** that interacts with the user to determine **discount eligibility** based on their purchase amount.

1. When the user opens the page, prompt them to **enter the total purchase amount**.
2. Use a **decision-making structure** (`if...else`) to determine the discount:
  - If the amount is **greater than or equal to 1000**, show an alert saying:  
*“You are eligible for a 10% discount!”*
  - Otherwise, show:  
*“Spend KSh 1000 or more to get a discount.”*
3. Display the amount entered and the discount message dynamically on the web page (below the product list).

**Save the file as:** `script.js` and link it properly to your HTML file.

**Marks Allocation (10 marks):**

- Correct linking and script placement – 2 marks
- Proper use of `prompt()` and `alert()` – 3 marks
- Correct use of `if...else` structure – 3 marks
- Displaying message/output on the page – 2 marks

**TOTAL: 30 Marks**

Component	Description	Marks
HTML	Web page structure and content	10
CSS	External styling	10
JavaScript	Interactivity and decision-making	10
<b>TOTAL</b>		<b>30 Marks</b>