



**UGANDA INSTITUTE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY  
WEEKEND PROGRAMME END OF SEMESTER ONE EXAMINATIONS**

**ACADEMIC YEAR 2021/2022**

**DEPARTMENT: ICT**

**SEMESTER: ONE**

**PROGRAMME(S): DIPLOMA IN INFORMATION TECHNOLOGY FOR SCIENCE (DITS)  
DIPLOMA IN INFORMATION TECHNOLOGY FOR BUSINESS (DITB)**

**YEAR OF STUDY: ONE**

**COURSE: WEBSITE DEVELOPMENT I**

**COURSE CODE : IT114**

**DATE: MONDAY 9TH, MAY 2022**

**TIME: 2:00 PM – 5:00 PM**

**DURATION: 3 HOURS**

**INSTRUCTIONS:**

- (i) This paper contains two Sections: A (40 marks) & B (60 marks).**
- (ii) Attempt ALL questions in Section A, and ONLY THREE questions in Section B.**
- (iii) All questions in Section B carry equal marks.**
- (iv) Credit will be given for use of relevant examples and illustrations.**
- (v) Begin each number in Section B on a new page of the answer sheet.**
- (vi) DO NOT write on this question paper.**

**SECTION A [40 MARKS]**

Attempt **ALL** the Questions in this Section.

**Question 1**

You are now going to make your final lab test for this semester in website design and development. Assume that you are given a folder with two images named download3.jpg and download13.jpg. Create a basic HTML document and name it **index.html**. In that text file (index.html), add the following scripts in the **style** and **body** elements as you see fit.

- a) Define a **universal selector** having a box-sizing property of border box values. **(1 mark)**
- b) Define the **BODY** element with a font family of verdana. **(1 mark)**
- c) Define the **IMG** element with margin as auto, display as inline, width of 100 pixels, and height of 100 pixels. **(4 marks)**
- d) Define the **H1** element with a text alignment of center, font family of cursive, and margin of 0 pixels. **(3 marks)**
- e) Define a class named **container** having a border of none, back ground colour of rgb (223, 245, 201), padding of 34 pixels on all sides, margin of 34 pixels and auto, and a width of 700 pixels. **(5 marks)**
- f) Define a class named **btn** having font family of cursive, margin of 0 pixels and 9 pixels, back ground colour of black, text colour of white, padding of 4 pixels and 14 pixels, border which is 2 pixels solid and gray in colour, border radius of 10 pixels, font size of 20 pixels, and cursor of pointer. **(9 marks)**
- g) Make a division element and put it in the container class. **(1 mark)**
- h) In that division make a heading of 1 and title it "The wedding planers of UG". **(1 mark)**
- i) Next, insert the two images (download3.jpg and download13.jpg). **(2 marks)**
- j) Create a paragraph and describe what The wedding planers of UG do in not more than 500 words. **(3 marks)**
- k) Create a form having six divisions, each division having inputs of type text that will capture the name, age, gender, locality, Email address and phone number of a customer. The six divisions should be placed in the form-group class. **(6 marks)**

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l) Add two buttons to submit and reset the data and place them in the btn class.

**(4 marks)**

The output should be as follows:



## SECTION B [60 MARKS]

Attempt **ONLY THREE** Questions in this Section.

### Question 2

- a) State the differences between the following terms: **(4 marks @)**
- (i) Web designing vs. Web development
  - (ii) Front-end vs. Back-end designing
  - (iii) Server side vs. client side scripting
  - (iv) HTML vs. CSS
- b) Explain the limitations of HTML in website development. **(4 marks)**

**Question 3**

a) Explain the meaning of the following HTML scripts: (1 mark @)

- (i) <!DOCTYPE html>
- (ii) <!-- Our HTML code starts here -->
- (iii) <HTML lang="en">
- (iv) <meta charset="UTF-8">
- (v) <link rel= "stylesheet" href= "uict.css">
- (vi) <a href="https://google.com" target = "\_blank">Go to Google</a>
- (vii) 
- (viii) 
- (ix) <input type= "submit" value= "submit now">
- (x) <title>ITS ITB HTML Exams</title>

b) Write HTML code that can birth the table below. Ignore the Euro currency symbol. (10 marks)

Part No.	Description	Item Price	Qty	Total Price
<b>System Units – one of:</b>				
247152-031	A computer	£ 795.00	1	£ 795.00
247153-031	Another computer	£ 895.00	1	£ 895.00
<b>Options:</b>				
247154-031	Option 1	£ 195.00	1	£ 895.00
247154-031	Option 2	£ 100.00	1	£ 895.00
247154-031	Option 3	£ 200.00	1	£ 895.00

**Question 4**

a) Define the following CSS selectors: (2 marks @)

- (i) Class selector
- (ii) Id selector
- (iii) Element selector
- (iv) Group selector
- (v) Universal selector

b) Write CSS scripts with the following rules: (3 marks)

- (i) ID selector called **splash** having a back ground colour of pink and text colour of green.
- (ii) Group selector of all headings having a red border of 20pixels.

c) State any **four (4)** advantages of CSS in website development. (4 marks)

**Question 5**

- a) Using a simple sketch diagram, explain the following terminologies in website development. **(3 marks @)**
- (i) In-line elements
  - (ii) Block elements
  - (iii) Margin
  - (iv) Padding
  - (v) Border
  - (vi) Border radius
- b) List any **two (2)** HTML block elements. **(2 marks)**

**Question 6**

- a) State the reasons behind the following website design principles. **(2 marks @)**
- (i) All web pages should have the same look and feel.
  - (ii) Three clicks at most to get what you need in a website.
  - (iii) Balance the number of images in a website.
  - (iv) Use font styles and sizes that are easily read.
  - (v) Each web page addresses a particular topic.
- b) State the reasons behind the following website development conventions or ideals. **(2 marks @)**
- (i) Separate content creation from content presentation.
  - (ii) The default page should be called home.html or index.html.
  - (iii) Always test websites with the most popular web-browsers.
  - (iv) Save all website objects in one folder.
  - (v) In-line code comments are necessary.

**END**