



UNIVERSITY EXAMINATIONS: 2025/2026
EXAMINATION FOR THE CERTIFICATE IN INFORMATION
COMMUNICATION TECHNOLOGY
CICT 0115
INTRODUCTION TO WEB DEVELOPMENT
END TERM EXAMINATION

DATE: TUESDAY 16TH DECEMBER, 2025

TIME: 11:00AM-1:00PM

DURATION: 2 HOURS

INSTRUCTIONS: Question One is Compulsory, Choose Three Other Questions

SECTION A (COMPULSORY)

QUESTION ONE (15 Marks) Compulsory

- a) Define the term website and differentiate between static and dynamic websites. **(4 marks)**
- b) List and briefly describe the main phases of the Software Development Life Cycle (SDLC). **(6 marks)**
- c) Explain three qualities of a good website from a user's perspective. **(5 marks)**

SECTION B: (ANSWER ANY THREE (3) QUESTIONS IN THIS SECTION)

QUESTION TWO (15 marks)

- a) Write HTML code to create a webpage with a title "My First Web Page", a main heading, one image, and a paragraph describing yourself. **(8 marks)**
- b) Explain the difference between <head> and <body> sections in an HTML document. **(3 marks)**
- c) Identify two HTML tags that are used for creating lists and provide one example for each. **(4 marks)**

QUESTION THREE (15 marks)

- a) Define CSS and explain why web developers use it. **(3 marks)**
- b) Write a CSS rule that sets the background color of a webpage to yellow and all paragraphs to blue text with font size 16px. **(6 marks)**
- c) Differentiate between class selectors and ID selectors in CSS with examples. **(6 marks)**

QUESTION FOUR (15 marks)

- a) What is JavaScript and how is it linked to HTML pages? **(4 marks)**
- b) Write a short JavaScript code that displays an alert box saying “Welcome to my website!”. **(4 marks)**
- c) Explain how JavaScript can be used to validate a simple form with two fields: Name and Email. **(7 marks)**

QUESTION FIVE (15 marks)

- a) Define **web browser** and **web server**, explaining how they interact. **(4 marks)**
- b) Describe three key functions of an operating system that support web development. **(6 marks)**
- c) Explain how a developer could use GitHub to manage and share web projects. **(5 marks)**

QUESTION SIX (15 marks)

- a) Discuss the importance of following software engineering principles when building websites. **(6 marks)**
 - i. Modularity
 - ii. Maintainability
 - iii. Documentation
- b) Identify three common website testing tools and state their uses. **(3 marks)**
- c) Explain how poor web design affects user engagement and suggest practical solutions.

(6 marks)