



NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF APPLIED SCIENCES

DEPARTMENT OF COMPUTER SCIENCE

Web Development SCS2114

Final Examination Paper

September 2024

This examination paper consists of three pages

Time Allowed: 3 hours

Total Marks: 100

No Special Requirements

Examiner's Name: Mr. T. Taapatsa

INSTRUCTIONS

1. Answer any four questions

MARK ALLOCATION

QUESTION	MARKS
1	25
2	25
3	25
4	25
5	25
TOTAL	100

Question 1

Compare and contrast the following terms using code snippets

- a) HTML elements and HTML tags [5]
- b) CSS and PHP [5]
- c) HTML tables and HTML frames [5]
- d) Ordered lists and Un-Ordered lists [5]
- e) Anchor tag and Marquee [5]

Question 2

Explain the layers of the OSI reference model, highlighting the devices found at each layer and the associated Protocols. [25]

Question 3

- a. Explain the four basic HTML tags that are needed to create a Web Page. [8]
- b. Explain the meaning of the following attributes when used with forms
 - i. Action [2]
 - ii. Method [2]
 - iii. Target [2]
 - iv. Enctype [2]
- c. "The Internet is changing our society. The internet has undoubtedly become one of the most significant technological advances of our time, affecting almost every aspect of our lives". Critically analyse the impact of internet on the society. [9]

Question 4

Write HTML code that generates the form below:

[25]

Personal Details

Title
--None-- ▾

First name:

Last name:

Gender : Male Female

Email:

Date of Birth:

Address :

Question 5

- a. Write a PHP function that converts US dollars to ZWG given that one USD is equivalent to 13.70 ZWG. [10]
- b. The human age is classified into four categories as Child (0-12 years), Adolescence (13-18 years), Adult (19-59 years) and Senior Adult (60 years and above). Write a PHP script that accepts a person's age and determine the category of the human age. [15]

END OF EXAMINATION PAPER