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UNIVERSITY EXAMINATIONS 2023/2024

FIRST YEAR SECOND SEMESTER EXAMINATION FOR DIPLOMA IN
INFORMATION COMMUNICATION TECHNOLOGY

ICT/CU/IT/CR/5/6: PERFORM WEBSITE DESIGN

DATE: APRIL 2023

TIME: 3HOURS

INSTRUCTIONS: Answer Question ONE and any other THREE questions.

QUESTION ONE (40 MARKS)

1. What does HTML stand for? (1 Mark)
2. HTML Basic Format Page Structure (5 Marks)
3. What is the correct HTML for creating a hyperlink? (2 Marks)
4. What does CSS stand for? (1 Mark)
5. What is the correct HTML for referring to an external style sheet? (2 Marks)
6. Where in an HTML document is the correct place to refer to an external style sheet? (1 Mark)
7. What is a comment and how do you insert a comment in a CSS file? (4 Marks)
8. You are an experienced web developer. Identify any reasons why you would want to use CSS in your websites. (3marks)
9. What is the correct HTML for creating a hyperlink? (2 Marks)
10. Define the following terms. (5 Marks)
 - i. WWW (1mark)
 - ii. Web page (1mark)
 - iii. URL (1mark)
 - iv. Domain Name (1mark)
 - v. https (1mark)
11. Differentiate between internal and external CSS. (4 Marks)



12. State THREE benefits of Having a Website for Businesses, Communities and Public Organizations? (3 Mark)
13. State the difference between a webpage and a website? (2 Marks)
14. Write the codes to generate the following table. (5 Marks)

| Name | Salary |
|-----------------|--------|
| Ramesh Raman | 5000 |
| Shabbir Hussein | 7000 |

SECTION B:(60 MARKS)

15. a) Using HTML and CSS create a registration form to input name, phone number, email and a submission button. Ensure the user is required to fill all the inputs. (8 Marks)
- b) What is HTML used for? (2 Marks)
- c) Define the following terms. (5 Marks)
- i. Email
 - ii. FTP
 - iii. Homepage
 - iv. ISP
 - v. Internet Protocol
- d) Explain four key elements of a good website (5 Marks)
16. a) Write the codes to generate the following form. (8 Marks)

PAYMENT FORM

FILL IN PAYMENT DETAILS

NAME:

ID_NUMBER:

SEX : MALE FEMALE

SELECT MODE OF PAYMENT

CASH

CHEQUE

CREDIT CARD

M-PESA CARD

- b) Using an example write the basic structure of a URL and name the parts of the structure. (5 Marks)
- c) As a web developer, identify the correct HTML elements for the following;
- i. The largest heading (1 Mark)
 - ii. Inserting a line break (1 Mark)
- d) Write a HTML code that will be able to generate the following information in a web browser. (5 Marks)
- A. Degree courses
- BBIT
 - BSC.IT
 - BSC. Computer Science
- B. Diploma Courses
- Diploma IT
 - Diploma BIT
 - Diploma in Computer Science

17. a) Using an appropriate example, differentiate between a Check box and Radio button as used in web design. (4 Marks)
- b) Write a HTML program that displays your favorite dishes in an ordered list (4 Marks)
- c) Identify the correct HTML syntax for setting Orange as the background color of your website. (2 Marks)
- d) Explain five key elements of a good website (5 Marks)
- e) Write an HTML code that would display the following table: (5 marks)

| Drinks Available | Prices |
|-------------------------|---------------|
| Mango juice | Ksh.80 |
| Orange juice | Ksh.200 |
| Pineapple juice | Ksh.180 |
| Melon juice | Ksh.350 |
| Water | Ksh.400 |

18. a) Highlight TWO visual characteristics of a poorly designed website. (2 Marks)
- b) Explain THREE benefits of the internet to the modern industry. (6 Marks)
- c) Outline FOUR tests done on an online website. (4 Marks)

- d) Distinguish between user requirements and functional requirements in website development. (4 Marks)
- e) Identify TWO advantages that a client-side web application has over a server-side web application (4 Marks)

