

SCAN

Name: \_\_\_\_\_ Index No: \_\_\_\_\_ / \_\_\_\_\_

2920/304  
INTERNET BASED PROGRAMMING  
November 2013  
Time: 3 hours

Signature: \_\_\_\_\_

Date: \_\_\_\_\_



THE KENYA NATIONAL EXAMINATIONS COUNCIL

DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY

MODULE III

INTERNET BASED PROGRAMMING

3 hours

INSTRUCTIONS TO CANDIDATES

Write your **name** and **index number** in the spaces provided above.  
Sign and write the **date of examination** in the spaces provided above.  
This paper consists of **EIGHT** questions.  
Answer any **FIVE** of the eight questions in the spaces provided in this question paper.  
All questions carry equal marks.  
Candidates should answer the questions in **English**.

For Examiner's Use Only

Question	1	2	3	4	5	6	7	8	Total Score
Candidate's Score									

This paper consists of 13 printed pages.

Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

1. (a) State the function of each of the following HTML tags:

(i) <button> (2 marks)

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(ii) <pre> (2 marks)

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(iii) <tbody> (2 marks)

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(b) (i) State the threat to information posed by each of the following criteria on the internet.  
I. hacking; (2 marks)

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II. Malware. (2 marks)

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(ii) Webi Company has a webserver which host valuable information about their clients. Explain **two** ways in which the company would protect the content in the web. (4 marks)

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(c) Write a HTML code for a webpage that would display the text "Home Page" on the browser's title bar and a search engine should be able to locate the page using keywords *lily flower* and *home decoration*. (2 marks)

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(d) Gavin a webmaster prefers to use a GUI applications such as Adobe Dreamweaver when creating HTML files. Outline **four** benefits that he achieves from using this strategy. (4 marks)

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- (ii) Kiki a web developer, has been mandated to create a website for her company. She has a variety of web hosting companies that she has to choose from to host the company's website. Explain **four** factors that she has to consider when making the selection. (6 marks)

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4. (a) Define each of the following terms as used in HTML: (2 marks)

(i) page layout;

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(ii) whitespace.

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- (b) Interpret the following JavaScript segment code giving the output. (6 marks)

```
<script>
function mynumber(x,y)
{
var sum;
sum = x+y;
return sum;
}
alert( mynumber (3,6));
</script>
```

easyvet.com

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(d) (i) Under what circumstance is the value for the *type* attribute set to "hidden" when creating forms in HTML. (2 marks)

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(ii) Explain **one** reason for the current trend of slicing images during web design. (2 marks)

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5. (a) (i) Outline **four** examples of web authoring software that generates codes automatically when developing website. (2 marks)

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(ii) Explain **three** disadvantages of using *web editors* as a tool for creating a website. (6 marks)

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(b) Write an HTML code that would be used to display the following list as it appears when ran in a web browser. (7 marks)

- I. Main point
  - A. Subordinate point
    - 1. First tertiary point
      - a. Example 1
      - b. Example 2
    - 2. Second tertiary point
- Main idea
  - Supporting idea
    - Detail for the supporting idea

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- (ii) Nelly intends to create a website which would include pictures. Outline **three** examples of *graphics application* that would enable her to create, edit, and format graphics files for the website. (3 marks)

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- (c) Tumaini College of Technology management has been advised to have a website. Outline **four** ways that the college may use the website. (4 marks)

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- (d) Millie, an IT consultant, has created a website where she has explained her company services. In order to cut down the cost of hosting the site, she intends to create spaces on the webpages where other users can advertise. Explain **two** ways in which this space can be used to achieve the objective. (4 marks)

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7. (a) With the aid of a diagram in each case, describe each of the following types of web page structures used when linking web pages.

- (i) linear; (3 marks)

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- (ii) augmented linear. (3 marks)

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