CHUKA   **UNIVERSITY**

UNIVERSITY EXAMINATIONS

FIRST YEAR EXAMINATION FOR THE AWARD OF CERTIFICATE IN COMPUTER SCIENCE

COSC 00104: WEB PROGRAMMING AND ADMINISTRATION

STREAMS: CERT COMP SCI.   **TIME: 2 HOURS**

DAY/DATE: WEDNESDAY 6/12/2017   **11.30 A.M – 1.30 P.M**

INSTRUCTIONS:
- **Answer question one and any other two from section B**

- **Do not write on this paper**

SECTION A {compulsory}
QUESTION ONE (30MKS).

    (a) Differentiate between:
    i.   Submit button

    ii.   Reset button of html   (2 marks)

b)Discuss three types of web hosting with example application   (6marks)

(c) The uniform resourcelocator (URL) is an important part of the internet .Discuss the syntax for a URL.   (4marks).

(d) Using examples, describe two types of HTTP requests, clearly stating the different types of application each is suited for.   (6marks).

(e) Explain each of the following terminologies: (6Marks)
       i.   XAMPP
      ii.   Phpmyadmin
     iii.   CSS
     iv.   Hyperlink

(f) List the THREE rules of naming HTML attributes   (3 Marks).

(g) Explain the role of <!doctype html> in an HTML document   (1Marks).

(h) Briefly discuss the role of Apache in web design   (2marks)

SECTION B (Answer any TWO questions)

QUESTION TWO (20 Marks)

(a) A website requires a web form (contact us form) that users can fill to contact the web designer/ organization. The web form requires users to fill in the following details: Name, Email Address, Phone Number, Country and Comments. Design this web form using html

(10 marks)

(b)Write HTML code that can be used to show the following table.   (10 Marks).

Emily	Jack	Frank
Mary	Dominic	Amy
Thomas	Angela	David

QUESTION THREE (20 Marks)
   a. Explain the difference between the HTTP get and the HTTP post methods of sending form data to a server.   (6 Marks).
   b. A HTML form is to be used for selection of Gender and Courses a student is taking. Possible Gender values are Male and Female. Possible Courses are Comp 303, Comp 400, Comp 407 and Comp 408. A student can only choose one gender value but can choose all availed course. Design this form using HTML   (8 marks)
   c. Explain the role of the HTML Document Object Model (DOM)   (2 Marks).
   d. Explain the role of each of the following HTML tags: (4 Marks)
       i.   <p>
       ii.
       iii. <img>
       iv.   <meta>.

QUESTION FOUR (20 Marks).

   a) An html form tag requires many attributes. Explain each of the following form attributes:
                                                                           (6 marks)
       i.   Action
       ii.   Enctype
       iii.   Method

b) You have completed the design and development of a website for your client and you need to put the site on the web. Discuss FIVE key considerations you would make when choosing a web hosting service provider to host the website for your client. (10 Marks).

c) A list of items (Africa, Asia, South America and Europe) is required to be displayed using a drop down menu. Present the drop down menu using HTML   (4 marks)

QUESTION FIVE (20 Marks)

a) Differentiate   the following terms   (6marks)

      i.   Server side scripting from client-side scripting

     ii.   Thin client from fat client

    iii.   Java and javascript

b) Write a sample HTML code to create a web page to display text boxes for the following student data itms:Studentname,Gender,Date of Birth,Course and a command button named "Submit"   (6marks).

c) Write   PHP code to send the student details on the form from the text boxes to a database called "UniDB" in a table named "TblStudents"   (6marks).

d) JavaScript is a dynamically typed language. Using an example, explain the meaning of this statement.   (2 Marks).