ELIZADE UNIVERSITY, ILARA-MOKIN, ONDO STATE
FACULTY OF ENGINEERING
DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

FIRST SEMESTER EXAMINATION, 2019/2020 ACADEMIC SESSION
COURSE TITLE: INTERNET TECHNOLOGY AND PROGRAMMING

COURSE CODE: ECT 417

EXAMINATION DATE:

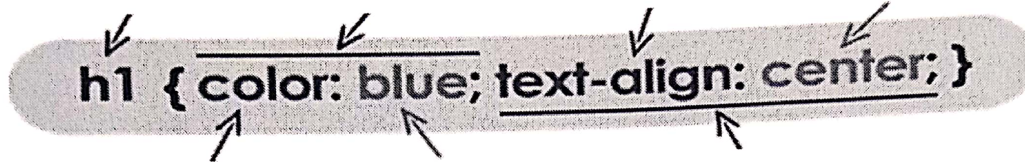**COURSE LECTURER: ENGR. O. O AFOLABI**

HOD's SIGNATURE

TIME ALLOWED: $2\frac{1}{2}$ HOURS

INSTRUCTIONS:

1. ANSWER QUESTION **ONE** AND ANY OTHER **FOUR** QUESTIONS
2. SEVERE PENALTIES APPLY FOR MISCONDUCT, CHEATING, POSSESSION OF UNAUTHORIZED MATERIALS DURING EXAM.
3. YOU ARE **NOT** ALLOWED TO BORROW ANY WRITING MATERIALS DURING THE EXAMINATION.

Question 1

a. Discuss into some details; the evolution of Internet with respect to ARPA, ARPAnet, TCP/IP and ISP. [5marks]

b. What is the fundamental difference between Static and Dynamic websites? [3marks]

c. State four advantages of a Static Website. [8marks]

d. Label each elements of the following CSS rule declaration identified with arrows: [4marks]

h1 { color: blue; text-align: center; }

Question 2

a. What are the four functions of a Uniform Resource Locator (URL) to the Web browser? [8marks]

b. Show the output of the following HTML set of markup: [2marks]

```
<ol>
    <li>Fasten your seatbelt</li>
    <li>Starts the car's engine</li>
    <li>Look around and go</li>
</ol>
```

Question 3

a. Discuss into some details the concept of Domain Name Addressing. [5marks]

b. Supply the missing elements in the following HTML set of markup: [5marks]

```
<form>
    <label>Username: <input      ="text"></label>
    <label>Password: <input      ="password"></label>
    <input        ="submit"      ="Submit">
</     >
```

Question 4

a. Define the term Session with respect to Session Data Management. [3marks]

b. Mention the four form in which Session Data exists. [4marks]

c. Why is it not ideal to position the <script> element in the <head>, or <body> section of an HTML document? [3marks]

Question 5

a. Discuss the situation of web design before and after the introduction of Cascading style sheet in 1996 by the World Wide Web Consortium (W3C). [5marks]

b. Why is "inline styles" generally considered a bad practice in introducing a CSS into HTML documents. [3marks]

c. Mention the two ways external style sheets can be attached. [2marks]

Question 6

a. Discuss into some details; the three major differences between the Client-side and Server-side Scripting. [6marks]

b. Write the syntax for calling an external JavaScript file. [4marks]

Question 7

a. State two purposes of comments in CSS. [4marks]

b. Why is using external style sheet the best method for defining and applying styles to the HTML documents? [3marks]

c. Show the general syntax for defining a link in HTML. [3marks]