****

**GARISSA UNIVERSITY**

**UNIVERSITY EXAMINATION 2019/2020 ACADEMIC YEAR THREE**

**SECOND SEMESTER EXAMINATION**

**SCHOOL OF PURE AND APPLIED SCIENCES**

**FOR THE DEGREE OF BACHELOR OF INFORMATION SCIENCE**

**COURSE CODE: INS 301**

**COURSE TITLE: WEB DESIGN AND DEVELOPMENT**

**EXAMINATION DURATION: 2 HOURS**

**DATE: 20/11/2020 TIME: 09.00-11.00 AM**

**INSTRUCTION TO CANDIDATES**

* **The examination has FIVE (5) questions**
* **Question ONE (1) is COMPULSORY**
* **Choose any other TWO (2) questions from the remaining FOUR (4) questions**
* **Use sketch diagrams to illustrate your answer whenever necessary**
* **Do not carry mobile phones or any other written materials in examination room**
* **Do not write on this paper**

**This paper consists of THREE (3) printed pages *please turn over***

**QUESTION ONE (COMPULSORY)**

1. Explain giving examples, what a domain name is **[4 marks]**
2. You have just been promoted to be the head in web site design and development department of your company. You analyze the website for the company and advise that external style sheets should be used. Give three advantages of using external style sheets in web design that there is a lot of inconsistency in the web pages. **[6 marks]**
3. Explain what HTML tags are. **[4 marks]**
4. Define URL and explain its purpose. **[6 marks]**
5. Write code in HTML to implement the following lists
   1. Unordered list
      * Cabbages
      * Tulips
      * Snow peas
      * French beans
      * Kales
   2. Ordered list
      1. Toyota
      2. Subaru
      3. Mitsubishi
      4. Peugeot
      5. VW **[10 marks]**

**QUESTION TWO**

1. Explain the differences between external style sheets and internal style sheets. **[4 marks]**
2. Using the input type element text, write HTML code that will give the following output on a browser

First name:

Last name: **[12 marks]**

1. Define a web server **[4 marks]**

**QUESTION THREE**

1. Describe the following HTML tags
2. <form>
3. <tr>
4. <b >
5. <ol> **[4 marks]**
6. Explain the three different views of web pages Dreamweaver page **[6 marks]**
7. Discuss the term World Wide Web **[2 marks]**
8. Using CSS, write a style sheet that will change the color of all h1 headers to red **[5 marks]**
9. Giving examples, differentiate between text editors and visual editors **[6 marks]**

**QUESTION FOUR**

1. “The social norm among teenagers is that downloading music or copying movies without paying for them is OK”. Explain three factors of how the government can apply a sense of ethics to this behavior. **[6 marks]**
2. Describe the purpose of Cascading style sheets  **[2 marks]**
3. HTML Attributes provide additional information about HTML elements. Explain any four attributes that can be used in HTML code  **[8 marks]**
4. Give the differences between internet and World wide web **[4 marks]**

**QUESTION FIVE**

1. It is now a common trend to see businesses developing websites. Research indicates that websites has influence of image and growth of a business. Explain Five advantages of the website for a business **[10 marks]**
2. Write the correct HTML code for creating a hyperlink to the website [www.gau.ac.ke](http://www.gau.ac.ke) **[6 marks]**
3. Discuss the importance of cyber law in a country **[4 marks]**