JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS

UNIVERSITY EXAMINATION FOR THE DEGREE IN BACHELOR OF EDUCATION

SCIENCE WITH IT

2ND YEAR 1ST SEMESTER 2018/2019 ACADEMIC YEAR

KISUMU, NAIROBI CAMPUSES

COURSE CODE: SCS 207

COURSE TITLE: WEB DESIGN AND PUBLISHING

EXAM VENUE: **STREAM:**

DATE: 12/08/19   **EXAM SESSION: 2.00 – 4.00PM**

TIME: 2.00 HOURS

INSTRUCTIONS

1. **Answer Question 1 (Compulsory) and ANY other TWO questions**
2. **Candidates are advised not to write on the question paper**
3. **Candidates must hand in their answer booklets to the invigilator while in the examination room**

QUESTION 1 [30 MARKS]

a) Describe the four design issues that must be addressed when developing a website for E-commerce **(4 marks)**

b) Explain briefly the following acronyms as used in web design
   i) HTTP **(2 marks)**
   ii) DNS **(2 marks)**
   iii) ISP **(2 marks)**
   iv) IP **(2 marks)**

c) Describe elements of the structure on a HTML page **(4 marks)**

d) What is A Uniform Resource Locator (URL) **(2marks)**

e) Explain the three types of dynamic web sites **(6marks)**

f) A web address, like this: http://www.jooust.com/html/default.asp follows the following syntax rules: *scheme://host.domain:port/path/filename*. Explain each line of these syntax rules **(6 marks)**

QUESTION 2 [20 MARKS]

a) Discuss the benefits a business organization stands to gain from having a good website

(10 marks)

b) Forms are vital when collecting information from customers. Describe the purpose of the following as used in forms

   i) Checkboxes **(2 marks)**
   ii) Dropdown boxes **(2 marks)**
   iii) Radio boxes **(2 marks)**
   iv) Text area **(2 marks)**

c) What is the difference between a static website and a dynamic website? **(2 marks)**

QUESTION 3 [20 MARKS]

a) While websites are important to a business, they do have limitations. Discuss some of the limitations the limitations of websites **(8 marks)**

b) On the web, browser-server communication follows the HTTP protocol. Describe the framework of a HTTP transaction **(10 marks)**

c) What does the term Web Hosting mean? **(2 marks)**

QUESTION 4 [20 MARKS]

a) What do you understand by the term web browser? Give four examples of web browsers that you are familiar with **(6 marks)**

b) Describe the components of a search engine **(4 marks)**

c) Describe the prerequisites for website publishing **(6 marks)**

d) Discuss the similarities and the differences between the internet and the intranet **(4 marks)**

QUESTION 5 [20 MARKS].

a) Briefly explain the features of World Wide Web **(2 marks)**

b) State four types of programs that are used to create web pages (2marks)

c) Explain four features of web server (8marks)

d) Explain how to insert the following HTML page, give the tags involved, its attributes and codes **(8 marks)**

    i) Inserting an image

    ii) Inserting horizontal line

    iii) Alternating scrolling text on the screen