



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS

**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF HEALTH
SCIENCES**

MAIN CAMPUS

2ND YEAR 2ND SEMESTER 2016/2017 ACADEMIC YEAR

COURSE CODE: SCS 207

COURSE TITLE: WEB DESIGN AND PUBLISHING

EXAM VENUE:

STREAM: PUBLIC HEALTH

DATE:

EXAM SESSION:

TIME: 2.00 HOURS

INSTRUCTIONS:

- 1. Answer Question 1 in (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 ONE

- a) Differentiate between XML and SGML. [3Marks]
- b) Briefly explain the benefits of using XML. [5Marks]
- c) Describe the purpose of the following as used in forms
 - i) Radio Buttons [1Mark]
 - ii) Check Boxes [1Mark]
 - iii) Drop Down Boxes [2Marks]
- d) Write HTML code to produce the following document [8Marks]

COMPUTER COMPONENTS OUTLINED

- a. HARDWARE
 - i. INPUT
 - ii. OUTPUT
 - 1. VDU
 - 2. PRINTER
 - iii. CPU
 - 1. ALU
 - 2. CU
 - 3. MMU
 - 4.
- b. SOFTWARE
 - o OPERATING SYSTEM
 - o APPLICATION
- c. USERS
 - i. PEOPLE
 - ii. OTHER COMPUTERS
- e) State the difference between the following terms as used in HTML [6Marks]
 - i) ROWSPAN and COLSPAN
 - ii) A tag and HREF tag
 - iii) FRAMESET tag and FRAME tag
- f) State and explain the attributes associated with rows and cells as used with the <Table> tag. [4Marks]

QUESTION TWO

- a) Describe four attributes of the form element [8Marks]
- b) Write HTML code to generate the following table [8Marks]

YEAR 2017

MATOPENI ACADEMY			
ADMINISTRATION		COMPUTER	
SCIENCES		SOFTWARE	HARDWARE
ENGINEERING			

- c) Write HTML code that will link two web pages using an image [4Marks]

QUESTION THREE

- a) Briefly explain Image maps, giving three advantages of using image maps in web Pages. [5Marks]
- b) Animated graphics for a web takes various forms; a simple common form is an animated gif file. State and explain Four Commonly used tools for animation. [8Marks]
- c) Describe any Four attributes of <Table> tag [4Marks]
- d) Write a HTML code to insert a multimedia file called mysound.wav in web a page [3Marks]

QUESTION FOUR

- a) Briefly explain the following terms [8Marks]
 - i) Usenet
 - ii) Gopher
 - iii) TCP/IP
 - iv) FTP
- b) Describe the functions of the following HTML tags giving an example of their use. [4Marks]
 - i) <FRAME>
 - ii) <FRAMESET>.....</FRAMESET>
- c) Write HTML code to divide the computer screen into frames as shown in figure (i) below [8Marks]

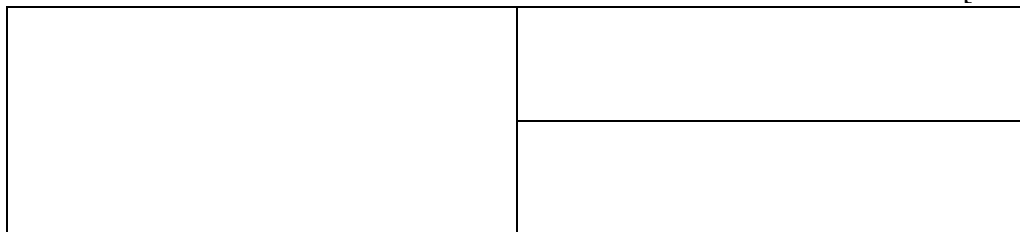


Figure i

QUESTION FIVE

- a) Discuss the history of the internet highlighting the major technological advancements that marked each era [4Marks]
- b) Discuss the stages involved in the web design process [10Marks]
- c) Explain the function of the following servers
 - i) File server
 - ii) Printer server [2Marks]
- d) Explain how one would insert the following in HTML page give the tags involved, its attributes and the code
 - i) Inserting an image
 - ii) Alternating Scrolling text on the screen [4Marks]