



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS

UNIVERSITY EXAMINATION FOR SECOND YEAR FIRST SEMESTER

EXAMINATION FOR BACHELOR OF EDUCATION ARTS

2ND YEAR 1ST SEMESTER 2018/2019 ACADEMIC YEAR

(INSTUTIONAL BASED – MAIN CAMPUS)

COURSE CODE: SCS 207

COURSE TITLE: WEB DESIGN AND PUBLISHING

EXAM VENUE: STREAM:

DATE:20/08/19

EXAM SESSION: 3.00 – 5.00PM

TIME: 1.50 HOURS

INSTRUCTIONS:

- 1. Answer Question ONE (COMPULSORY) and ANY other 2 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 (30 MARKS):

- (a) Explain **four** advantages of using search engines? **(4 marks)**
- (b) Briefly State the meaning of the following terms **(8 marks)**
- i. Rowspan
 - ii. Cellspan
 - iii. Cellpadding
 - iv. Cellspacing
- (c) Define Intranet and list four of its application in an organization? **(6 marks)**
- (d) Write the acronym ISP in full and name any **four** ISPs **(3 marks)**
- (e) What is Netiquette? **(2 marks)**
- (f) Write a basic HTML codes which displays the word "Hello world!" in the body and has a title "student page". **(2 marks)**
- (g) What is XML? How it is different from HTML? **(5 marks)**

QUESTION TWO (20 MARKS)

- (a) Gemsafe Ltd is a printing press company and it is planning to set up internet in all its department so as to improve CRM and service delivery. Explain any **five** internet costs the company is likely to incur **(10 marks)**
- (b) Briefly discuss the following acronyms **(10 marks)**
- (i) JSP
 - (ii) W3c
 - (iii) URL
 - (iv) WWW
 - (v) TLD

QUESTION THREE (20MARKS)

- (a) Explain and show the result of the following HTML codes/tags in a web browser?
- (i) `<h1>Level 1 heading</h1>`
`<h2> Level 2 heading </h2>`
`<h3> Level 3 heading </h3>`
`<h4>Level 4 heading</h4>`
`<h5> Level 5 heading </h5>`
`<h6> Level 6 heading </h6>` **(2 mark)**
 - (ii) `index` **(1 mark)**
 - (iii) `` **(2 mark)**
 - (iv) `<hr>` **(1 mark)**
 - (v) ``
`Mary`
`John`
`` **(2 mark)**
 - (vi) ``
`Mary`
`John`
`` **(2 mark)**
 - (vii) `<table border="1">`
`<tr>`
`<td>row 1, cell 1</td>`
`<td>row 1, cell 2</td>`

</tr>

<tr>

<td>row 2, cell 1</td>

<td>row 2, cell 2</td>

</tr>

</table>

(2 marks)

(viii) <form>

First name: <input type="text" name="firstname" />

Last name: <input type="text" name="lastname" />

</form>

(2 mark)

(b) Distinguish File Upload and Down Load?

(2 marks)

(c) Write short notes on LAN and WAN?

(4 marks)

QUESTION FOUR (20 MARKS)

(a) Web server is a piece of software that enables a website to be viewed using HTTP. Discuss **four** advantages of using a web server within your development environment?
(4 marks)

(b) Whenever you view a web page on the internet, you are requesting that page from a web server. When you type a URL into your browser your browser requests the page from the web server and the web server sends the page back, with an aid of a diagram and a brief description support this statement. (6 marks)

(c) Give both the similarity and the difference between HTTP and FTP (3 marks)

(d) Name the HTML elements? (2 marks)

(e) There are several different types of web pages on the Internet and the Students researching the web tend to think that majority of web pages are devoted to providing information which is not the case. In respect to this statement, briefly discuss any **five** types of web pages? (5 marks)

QUESTION FIVE (20 MARKS)

(a) (i) Define the term Web browser? (2 marks)

(ii) Name the **four** most common web browsers you know? (2 marks)

(b) Define internet? (1 mark)

(c) Using appropriate examples, explain how the application of internet can facilitate business transactions? (12 marks)

(d) Briefly describe any three known system challenges encountered by most of the organizations that have embraced the use of internet in their business operations . (3 marks)

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