



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS**

**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR SCIENCE**

**EDUCATION SCIENCE/ARTS**

**2<sup>nd</sup> YEAR 1<sup>st</sup> SEMESTER ACADEMIC YEAR MAIN CAMPUS**

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**COURSE CODE: SCS 207**

**COURSE TITLE: WEB DESIGN AND PUBLISHING**

**EXAM VENUE:**

**STREAM: BED**

**DATE: 26/04/16**

**EXAM SESSION: 2.00 – 4.00 PM**

**TIME: 2.00 HOURS**

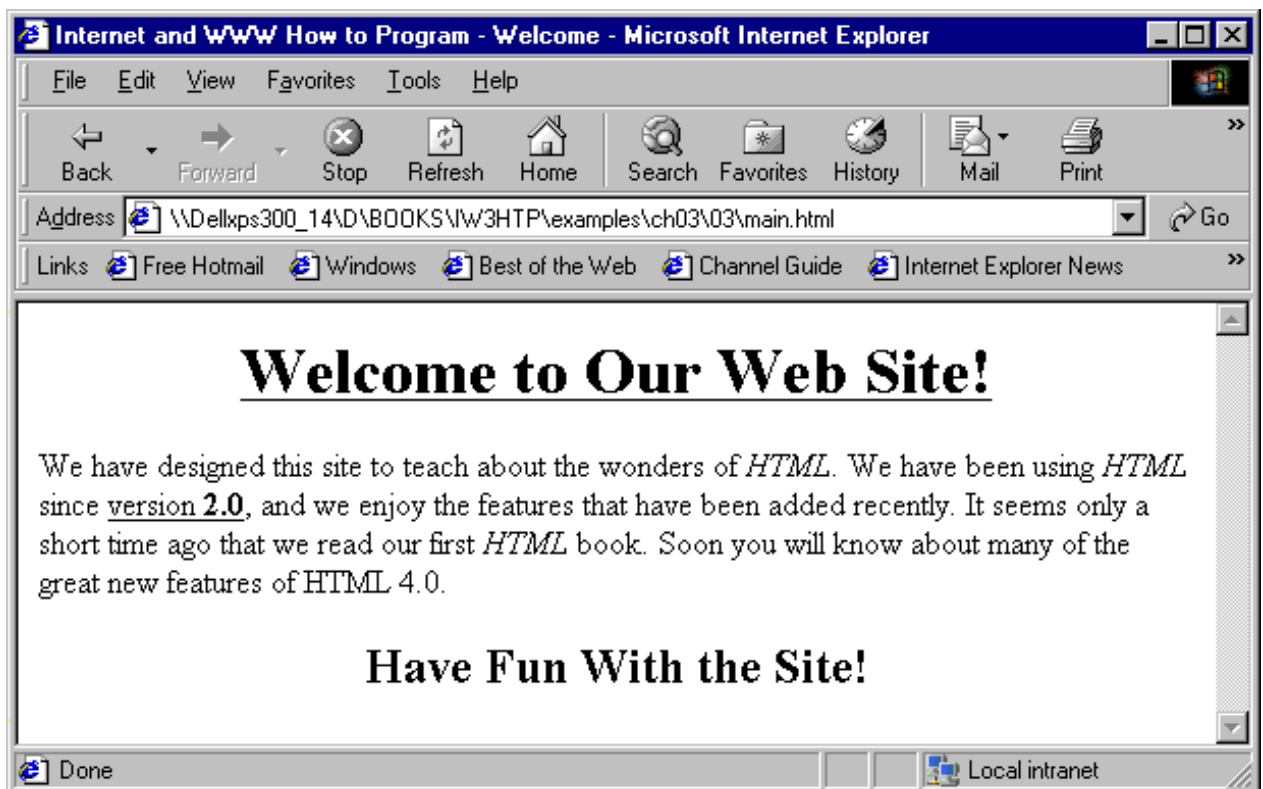
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**INSTRUCTIONS:**

- 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 ONE (30 MARKS )**

- a) Define the following terms {2 marks}
- i. Web Browser
  - ii. URL
  - iii. Cookie
  - iv. Search Engine
- b) LIST six html tags indicating how they are used in coding {3 marks}
- c) Write a simple HTML basic program structure. Explain the meaning of each mandatory tags that must be included {5 marks}
- d) Write html code to execute the output below {5 marks}



- e) Mention three ways in which a person can access a web page {3 marks}
- f) What is Netiquette {2 marks}
- g) Internet search tools can broadly be categorized into four. List these four categories of search tools giving two examples in each category and an indication of where it is best used {10 marks}

## QUESTION 2 [20 MARKS]

- a) Explain in details how the web works? Give an example of how the process works, describing the language that web clients and servers use to communicate with each other { 10 marks}
- b) Explain different types of URLs { 4 marks}
- c) Write an output of the html code below { 6 marks}

```
<html>
<head>
  <title>My first web page</title>
</head>
<body>
  This is my first web page
  How exciting
  How exciting
  How exciting
  How exciting

</body>
</html>
```

## QUESTION 3 [20 MARKS]

- a) The web design process can be divided into six general phases. List and explain in details each phase giving an appropriate example in each case { 12 marks}
- b) Describe any FOUR types of web hosting and give at least ONE example for each type { 8 marks}

## QUESTION 4 [20 MARKS]

- a) Using HTML as the tool to use in design, you are required to design a table with the following details
  - i. The top most row should contain the word “**LIST OF STUDENTS**” and merged into a single cell { 6 marks}
  - ii. The list should contain 10 students, with the first column containing the “**STUDENT ID**” and the second column containing “**STUDENT NAME**”. { 6 marks}
- b) State the meaning of the following terms;
  - i. Rowspan
  - ii. Cellspan
  - iii. Cellpadding

iv. Cellspacing

{ 8 marks }

**QUESTION 5 [20 MARKS]**

- a) Identify any FOUR input tags in html and give a detailed explanation using html examples to illustrate your answer { 12 marks }
- b) Use of an ISP is a common option in renting web servers
  - i. List any THREE ISP providers you know of { 3 marks }
  - ii. Outline any THREE advantages of using an ISP option over other forms of renting web servers { 5 marks }

```
<a href="form.html">Fill Our Form</a> <br />
<a href=" ../parent.html">Parent</a> <br />
<a href="stuff/cat.html">Catalog</a> <br />
<a href="http://www.devg.org" target="_blank">BASD</a> <br />
<a href="mailto:bugs@example.com?subject=Bug Report">Please report bugs
here (by e-mail only)</a>
<br />
<a href="apply-now.html"></a> <br />
<a href=" ../english/index.html">Switch to English version</a> <br />
```