MASENO UNIVERSITY

UNIVERSITY EXAMINATIONS 2015/2016

SECOND YEAR FIRST SEMESTER EXAMINATIONS FOR THE DEGREE OF BACHELOR OF ARTS WITH INFORMATION TECHNOLOGY

MAIN CAMPUS-GROUP I

UCI 201: THE INTERNET AND WORLD WIDE WEB

Date: 18ᵗʰ January, 2016

Time: 11.00 - 1.00 pm

INSTRUCTIONS:

- Answer question ONE and any other TWO questions.

QUESTION ONE (30 MARKS)

a) Define the following terms
- i. Web
- ii. internet
- iii. Browser
- iv. URL
- v. Web Site
- vi. HTML
- vii. Hyperlink
- viii. Hosting
- ix. Network
- x. ISP

(10mrks)

b) List and explain factors to consider when developing a website.   (5mrks)

c) Write a simple HTML code with title, head, and body tags so that it can display the following message

"Welcome to my Class"   (4mrks)

d) Explain five attributes of HTML.   (5mrks)

e) Give two forms in which a URL may be composed.   (2mrks)

f) List FOUR major web browser.   (4mrks)

QUESTION TWO (20 MARKS)

a) With reference to website design, what is a protocol? (1 mrks)

b) List and explain two common internet protocols. (4 mrks)

c) Outline the main stages involved in website development. (5 mrks)

d) Explain five main types of websites (5 mrks)

e) Explain the output of the following code (5 mrks)

```
<!DOCTYPE html>
<html>
<head>
<title>Horizontal Line Example</title>
</head>
<body>
<p>This is paragraph one and should be on top</p>
<hr />
<p>This is paragraph two and should be at bottom</p>
</body>
</html>
```

QUESTION THREE (20 MARKS)

a) Explain four (4) main parts of a basic web page and their functions. (4mrks)

b) Describe the browser as client/server model. (4mrks)

c) What is an IP address? Give an example. (2mrks)

d) Give the main reasons for networking (5mrks)

e) Explain the output of the following code (5 mrks)

```
</head>
<body>
<table border="1">
<tr>
<th>Column 1</th>
<th>Column 2</th>
<th>Column 3</th>
</tr>
<tr><td rowspan="2">Row 1 Cell 1</td><td>Row 1 Cell 2</td><td>Row 1 Cell 3</td></tr>
<tr><td>Row 2 Cell 2</td><td>Row 2 Cell 3</td></tr>
<tr><td colspan="3">Row 3 Cell 1</td></tr>
</table>
</body>
</html>
```

QUESTION FOUR (20 MARKS)

Explain importance of Web Development. (3mrks)

There are five requirements for connecting to the Internet. Explain (5mrks)

Describe 2 methods of viewing e-mail messages. (2mrks)

Characteristics of internet model (5mrks)

Write the HTML code using forms that will produce following result:
(5mrks)

First name: [_____]

Last name: [_____]

QUESTION FIVE (20 MARKS)

a) Web hosting/website hosting is a key entity in e-commerce. Explain six web hosting options one can select in choosing a web host. (12 marks)

b) What is a domain name and what perspectives should one consider in selecting a good domain name? (8 marks)