



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2015/2016

**SECOND YEAR FIRST SEMESTER EXAMINATIONS FOR THE
DEGREE OF BACHELOR OF SCIENCE, GENDER STUDIES AND
EDUCATION WITH INFORMATION TECHNOLOGY**

MAIN CAMPUS-GROUP III

UCI 201: THE INTERNET AND WORLD WIDE WEB

Date: 18th January, 2016

Time: 8.30 - 10.30 am

INSTRUCTIONS:

- Answer question ONE and any other TWO questions.



a) Name the components of NGI (Next Generation Internet) (5 Marks)

b) Define URL and describe the components of this URL (10 Marks)

<http://www.vmmmt.com/jitel/shop/kentel.html>

c) Describe the roles of the following components in internet environment

i). TCP (5 Marks)

ii). IP (5 Marks)

iii). DNS (5 Marks)

QUESTION TWO

a) Highlight the historical evolution of the internet (5 Marks)

b) State the issues to consider with the use of internet (5 Marks)

c) Identify and explain the guidelines used when evaluating information posted on the internet (10 Marks)

QUESTION THREE

a) Define the following terms as used in internet computing;

i). Web site (2 Marks)

ii). Index page (2 Marks)

iii). Hyperlink (2 Marks)

iv). Hypermedia (2 Marks)

v). Web Browser (2 Marks)

vi). IP Address (2 Marks)

vii). Search Engine (2 Marks)

b) Describe the applications of web mining (6 Marks)

QUESTION FOUR

a) Compare and contrast OSI and TCP/IP model (12 Marks)

b) Describe the purpose of an IP address and its relationship to a domain Name (8 Marks)

QUESTION FIVE

a) Give the meaning of the below codes of HTML document (10 Marks)

1) `anchor`

2) `<input type="hidden" name="name" value="value">`

3) `<html>`

4) `<head> </head>`

- 5) <title> /title>
- 6) <body>
- 7) <h1> </h1>
- 8) <p> </p>
- 9) </body>
- 10) </html>

Write HTML document to render the webpage shown below (10 Marks)



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