MASENO UNIVERSITY

UNIVERSITY EXAMINATIONS 2013/2014

FIRST YEAR FIRST SEMESTER EXAMINATIONS FOR THE
DEGREE OF BACHELOR OF SCIENCE IN COMPUTER SCIENCE
& TECHNOLOGY

(MAIN CAMPUS)

CIT 105: INTRODUCTION TO INTERNET AND INTERNET TECHNOLOGIES

Date: 29ᵗʰ November, 2013   Time: 8.30 - 10.30 a.m.

INSTRUCTIONS:

- **Answer Question ONE and any other TWO questions.**

Question One

(a) What are the main differences between OSI and TCP/ IP reference models? Explain briefly. **(8 Marks)**

(b) Explain how non- textual information is contained in a web page. **(7 Marks)**

(c) What is trivial file transfer protocol. Explain briefly? **(5 Marks)**

(d) Why Gateways are used during mail l transfer? **(5 Marks)**

(e) What are the major components of a web browser? Draw a neat diagram to explain them. **(5 Marks)**

Question Two

(a) State the three basic types of web documents. Also explain the advantages and disadvantages of each type. **(15 Marks)**

(b) Differentiate between ht tp and ftp. **(5 Marks)**

Question Three **(14 Marks)**
Differentiate between
(a) message switching, packet switching and circuit switching

(b) Bridges & Gateways. **(6 Marks)**

Question Four

As the person in charge of the web strategy for your organization, it has been noted that your organization is constantly experiencing cases of intrusion from sources not known.
(a) Describe the different types of Vulnerabilities. **(12 Marks)**
(b) Explain the ways in which the organization can safeguard itself from the cases of intrusion that it has been experiencing. **(8 Marks)**

Question Five
(a) Describe the term web Content development. **(6 Marks)**
(b) Web Development can be split into many areas. Explain the typical and basic web development hierarchy. **(14 marks)**