MASENO UNIVERSITY

UNIVERSITY EXAMINATIONS 2016/2017

SECOND YEAR SECOND SEMESTER EXAMINATION
FOR THE DEGREE OF BACHELOR OF SCIENCE IN
INFORMATION TECHNOLOGY

CITY CAMPUS – EVENING

CIT 206: SYSTEM ADMINISTRATION AND

MANAGEMENT

Date: 22nd June, 2017   Time: 5.30 - 8.30pm

INSTRUCTIONS:
- Answer Question ONE and any other TWO
- Start each question on a new page
- Mobile phones are prohibited in the Examination room
- Do not write on the question paper

SECTION A

ANSWER ALL QUESTIONS IN THIS SECTION

1. (30 Marks)

a) Briefly describe what you understand by the term System Administaration? **3Mks**

b) You are likely to be shortlisted as Maseno University System adminstrator. Highlight at least six qualities the interviewing panel would like to learn from you. Base your argument on your answer in **(a)** above **6 mks**

c) Systems security is paramount.Discuss various system security adminstration tasks you might perform if offerd a job of Systems administrator in a corporate organization **6 mks**

d) Give two reasons why documentation is important in systems administration? **2 mks**

e) Briefly discuss various system administration tasks you would perform in an institution of higher learning like maseno University. **6 mks**

f) What do you understand by the term troubleshooting? **2mks**

g) Software installation is one of the major sysytem administration tasks. Enumerate major activities involved under this task **5 mks**

Section B

ATTEMPT ANY TWO QUESTIONS IN THIS SECTION

Qn 2

a) What do you uderstand by the term server with regard to system administration?   **2mks**

b) Using your answer in (a) above, describe different types of server you would implement in a busy corporate organization.   **12mks**

c) Illustrate with a diagram, how a web resource is relayed to a browser through a proxy server **6mks**

Qn 3

a) What is ethical hacking?   **3 mks**

b) State with reasons why ethical hacking is important to system administarators?   **6mks**

c) Frirewalls and proxyservers are related but not the same.Discuss   **4mks**

d) Briefly describe major system attacks.   **7marks**

4 (a) Describe various security measures system administrators would adopt at ensuring security of corporate systems **20 marks**