JARAMOGI OGINGA ODINGA UNIVERSITY FOR SCIENCE & TECHNOLOGY

School of Informatics and Innovative Systems

Department of Computer Science and Software Engineering

KISUMU LEARNING CENTER

DIPLOMA IN LINUX KLC

YEAR ONE: SEMESTER one   September - December 2013

Course Code: ICT 2216

**Course Title: DEPLOYING A SECURE OPENSOURCE MESSAGE SOLUTION**

INSTRUCTIONS:

  i.   This paper contains five (5) questions.
  ii.   Question ONE is Compulsory and any other TWO questions
  iii.   Answer the questions on the booklet provided

Question one 30 marks

a) What is MIME? What's its function? **(2marks)**

b) What do you considered to be poor e-mail etiquette? **(2marks)**

c) To which port does the SMTP server listen in order to accept incoming messages? **(1mark)**

d) What two kinds of servers handle incoming e-mail messages? **(1 mark)**

e) What's the name for the program or service that lets you view e-mail messages? **(1mark)**

f) What is a Spam **(1mark)**

g) State the three phases in message transfer **(3marks)**

h) Describe the two types of mail clients clearly bring out their differences **(3 marks)**

i) Describe **MTA, MUA** and **LDA** **(3marks)**

j) Using the Scenario Below explain process 1-6
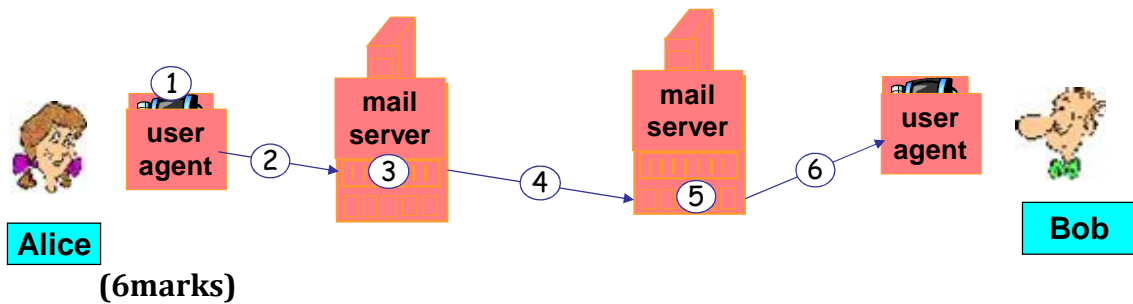
(6marks)

k) Use the diagram below to answer the question a, b and c.

Basic Email Architecture
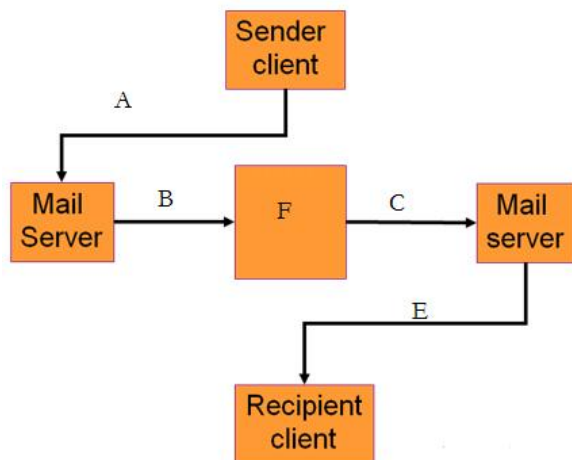
a. Explain part A ,B,C and E **(4marks)**
b. What's the device on part F and what is its importance **(2mark)**
c. What do you think happens at stage C **(1marks)**

Question two 20 marks

a. Why would you prefer Maildir over mailbox **(2marks)**

b. Describe the following terms **(18marks)**

     i. Postfix
     ii. Dovecot
     iii. Clam AV
     iv. MailScanner
     v. SquirrelMail
     vi. RoundCube
     vii. Thunderbird
     viii. OpenLDAP

Question three 20 marks

a) I do not have a permanent link to the Internet; therefore my email server at my site

is not always available. How can people send me email? (20 marks)

Question four 20 marks

a. What does POP stand for and what it is function in an email system (2marks)

b. Explain the sequence of events in POP   (18marks)

Question five 20 marks
a. What's the Difference between POP3 and IMAP   (10 marks)
b. Describe the Advantages And Disadvantages Of E-mail   (10 marks)