



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
2013**

September - December

Course Code: ICT 2216

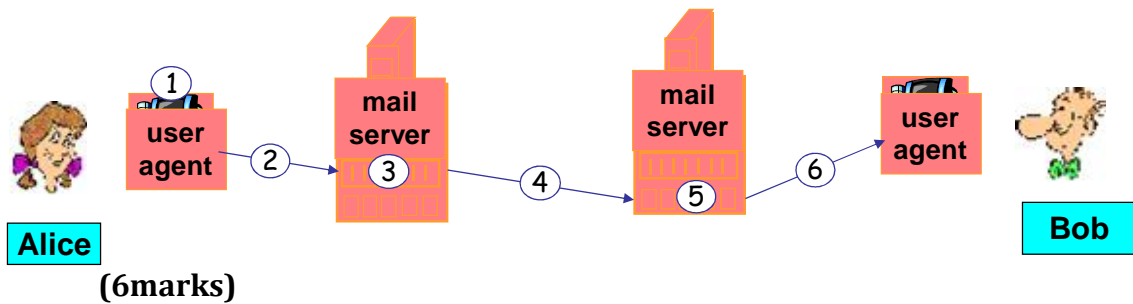
Course Title: DEPLOYING A SECURE OPENSOURCE MESSAGE SOLUTION

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**

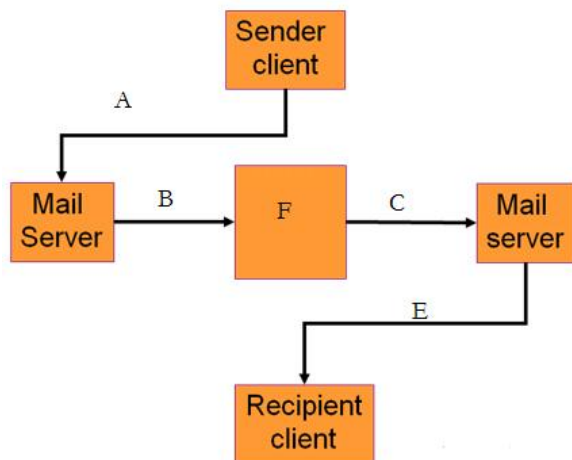
Question one 30 marks

- 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



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

Basic Email Architecture



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

Question two 20 marks

- Why would you prefer Maildir over mailbox **(2marks)**
- Describe the following terms **(18marks)**
 - Postfix
 - Dovecot
 - Clam AV
 - MailScanner
 - SquirrelMail
 - RoundCube
 - Thunderbird
 - OpenLDAP

Question three 20 marks

- 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

- 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)