



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE
AND TECHNOLOGY**

UNIVERSITY EXAMINATION 2012/2013

**3RD YEAR 1ST SEMESTER EXAMINATION FOR THE DEGREE
OF BACHELOR OF BUSINESS ADMINISTRATION**

MAIN

COURSE CODE: SCS 306

TITLE: INTERNET COMPUTING

DATE: 21/4/2013

TIME: 9.00-11.00AM

DURATION: 2 HOURS

INSTRUCTIONS

- 1. This paper contains FIVE (5) questions**
- 2. Answer question 1 (Compulsory) and ANY other 2 Questions**
- 3. Write all answers in the booklet provided**

QUESTION ONE 30marks

- a) Define the following terms
 - i. Protocol
 - ii. Router
 - iii. Firewalls
 - iv. Search engines
 - v. Browser10marks
- b) Write a note on history of internet 4marks
- c) Differentiate between http and ftp. 4marks
- d) Differentiate between adaptive and non-adaptive routing. 4marks
- e) Distinguish between internet and the WWW 4marks
- f) Explain the TCP/IP protocol 4marks

QUESTION TWO:

- a) What do you understand by server? Discuss Five types of servers 10marks
- b) What are the main differences between OS I and TCP/ I P reference models? Explain briefly. 10marks

QUESTION THREE

- a) Write a note on the basic internet protocols 10marks
- b) What are the major components of a web browser? Draw a neat diagram to explain them. 10marks

QUESTION FOUR

- a) Write a note on the security issues used to manage security threats on the internet 10marks
- b) What are the three basic types of web documents? Also explain the advantages and disadvantages of each type. 10marks

QUESTION FIVE

- a) Draw a neat labeled diagram of the OSI reference model for computer networks 10 marks
- b) Differentiate between message switching, packet switching and circuit switching 10marks