



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS

**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF BUSINESS
ADMINISTRATION WITH IT**

SPECIAL RESIT

MAIN CAMPUS

COURSE CODE: SCS 306

COURSE TITLE: INTERNET COMPUTING

EXAM VENUE: LAB 1

STREAM: BBA, BED (ARTS, SCI, SPECIAL NEED)

DATE: 05/05/16

EXAM SESSION: 11.30 – 1.30PM

TIME: 2.00 HOURS

Instructions:

- 1. Answer Question 1 (Compulsory) and ANY other two questions**
- 2. Candidates are advised not to write on the question paper**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room**

QUESTION ONE

- a. Define the following terms
 - i. Topology (2 Marks)
 - ii. WWW (2 Marks)
 - iii. Extranet (2 Marks)
- b. Give two examples of
 - i. Web servers (2 Marks)
 - ii. Web browsers (2 Marks)
 - iii. Search engines (2 Marks)
- c. Explain the SOAP protocol and its importance. (4 Marks)
- d. Name any two scripting languages. (2 Marks)
- e. What is a web service? (2 Marks)
- f. Explain any three positive and three negative impacts of the internet on the society. (6 Marks)
- g. What is the difference between a node and a host? (4 Marks)

QUESTION TWO 20MARKS.

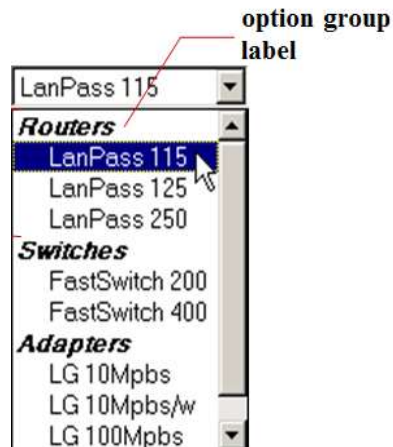
- a) What is a web browser? (2 marks)
- b) Compare and contrast between the TOP FOUR web browsers (8 marks)
- c) Explain the concept of security with respect to internet computing (8 marks)

QUESTION THREE 20MARKS.

- a) What is a search engine? (2 marks)
- b) Briefly explain how a search engine works (6 marks)
- c) Compare and contrast **THREE** major types of search engine used on the Internet. (6 marks)
- d) Internet has converted the world into a global village. Explain this statement with respect to the impact of internet on our day to day activities. (6 marks)

QUESTION FOUR [20 MARKS]

- a. The following is outputs generated by the use of option group write a code to generate the output. {8 marks}



- b. Explain the differences between a checkbox and radio button {4 marks}
- c. Using appropriate syntax define Cascading Style Sheets (CSS) {8 marks}

QUESTION FIVE (20 MARKS)

- a) Explain the meaning of the following terms {6 Marks}
- Intranet
 - Extranet
 - Protocol
- b) Describe any FIVE types of network topologies mentioning their advantages and disadvantages in each case {14 marks}