



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATION 2014
SEMESTER EXAMINATION FOR DEGREE OF BACHELOR OF EDUCATION: ARTS & SNE
BED YEAR 3, SEMESTER 2
SCHOOL BASED
KISII LEARNING CENTRE

COURSE CODE: SCS 306

TITLE: INTERNET COMPUTING

DATE:

DURATION: 2 HOURS

Marking scheme

INSTRUCTIONS:

1. This paper contains FIVE (5) Questions
2. Candidates are advised not to write on the question paper
3. Answer Question 1 (Compulsory) and ANY other 2 Questions.
4. Write all answers in the booklet provided and hand it to the invigilator while in the examination room.

QUESTION ONE (Compulsory 30 marks)

- a. Define the following terms as used in computing (6 marks)
- i. Internet
 - ii. telnet
 - iii. Internet protocol suite
- b. Write in full and outline the meaning of the following terms
- i. NPL (2 marks)
 - ii. ARPANET (2 marks)
- c. i. What is a protocol? (2 marks)
- ii. List the four layers of the TCP/IP protocol suite (4 marks)
- d. List three web browsers (3 marks)
- e. Outline the three components of an internet email message (3 marks)
- f. State two uploading websites (2 marks)
- g. List two client side and two server side scripting languages (4 marks)
- h. State three disadvantages of internet (3 marks)

QUESTION TWO

- a. State two protocols each found in each of the following layers
- i. application (2 marks)
 - ii. transport (2 marks)
- b. Explain four ways how the internet can be used for social networking and entertainment (8 marks)
- c. Explain the following websites (4 marks)
- i. Blogs and Blogging
 - ii. Wikis
- d. Explain four ways how a computer can be protected from viruses (4 marks)

QUESTION THREE

- a. Using a diagram, explain the functions of each of the layers of the internet protocol suite (12 marks)
- b. List four uses of the internet (4 marks)
- c. Define the meaning of the following terms (4 marks)

- i. Phishing
- ii. Pharming

QUESTION FOUR

- a. Write in full and explain the following terms as used in the internet (6 marks)
 - i. WWW
 - ii. HTTP
 - iii. URIs
- b. Explain the use of the following protocols (6 marks)
 - i. Internet Message Access Protocol
 - ii. Post Office Protocol
 - iii. Simple Mail Transfer Protocol
- c. Explain a web server and list four web servers (6 marks)
- d. Explain a search engine (2 marks)

QUESTION FIVE

- a. Outline the use of the following protocols (6 marks)
 - i. FTP
 - ii. IP
 - iii. RSVP
- b. Name three search engines (3 marks)
- c. Differentiate the following internet terms (4 marks)
 - i. Proxy server and firewall
- d. Explain the use of the following computing devices (5 marks)
 - i. Gateway
 - ii. Router
 - iii. Switch
 - iv. Bridge

a device that connects multiple network segments along the data link layer. It works on OSI layer 2.

 - v. Hub
 - vi. Repeater
- e. What is data encryption? (2 marks)