



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

**KISII LEARNING CENTRE**

**YEAR3 SEM 1 UNIVERSITY EXAMINATIONS 2013/14 FOR THE DEGREE OF  
BACHELOR OF BUSINESS ADMINISTRATION WITH IT FINANCE OPTION  
SCS306 INTERNET COMPUTING**

**Instructions**

1. This paper Contain five questions
2. Question one is compulsory and any other two questions
3. Answer the questions on the booklet provided
4. Mobile phones are not allowed in the exams room

### QUESTION ONE 30 marks

- a.) What do you understand by the following terms 3 marks
  - i.) telnet
  - ii.) news
  - iii.) ftp
- b.) Which are the services offered by the internet. 5 marks
- c.) Discuss the impact of the internet on business, healthcare and education 9 marks
- d.) Briefly explain electronic mail services 3 marks
- e.) Discuss I.S.P and their current challenges in Kenya today. 3marks
- f.) What is the significance of routers in implementation of internet connectivity 4 marks
- g.) Explain how socket programming is used in internet development 3 marks

### QUESTION TWO

- a.) What is system calls as described in internet communication technology and give examples 4 marks
- b.) List and explain key challenges experienced before implementing an office automation system complete with internet connectivity 6 marks
- c.) Your company wants to develop a website, explain the steps that would lead to a good professional website 6 marks
- d.) Explain the components of a URL 4 marks

### QUESTION THREE

- a.) Giving examples briefly explain what is meant by search engines and how they are used 6 marks
- b.) Discuss the TCP/IP Protocol suite 6 marks
- c.) What is bandwidth and how is it used to bill ISP clients 4 marks
- d.) Define Ethics of internet usage 4 marks

### QUESTION FOUR

- a.) Compare and contrast newsgroups and listserv 4marks
- b.) Differentiate IPv6 from IPv4 4marks
- c.) What is e-commerce and what are the advantages and disadvantages gained by using it 6marks
- d.) Discuss the following terms 6marks
  - i.) HTML
  - ii.) XML
  - iii.) Javascript

### QUESTION FIVE

- a.) What is internet security 2 marks
- b.) Discuss the following in the context of internet security 6 marks
  - i.) Encryption
  - ii.) Firewalls
  - iii.) protocols
- c.) What are the challenges of internet in the family unit 5 marks
- d.) Discuss the internet in terms of origins and future 7 mark