



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

**UNIVERSITY EXAMINATION 2013/2014**

**(MAIN-SB)**

**COURSE CODE:               SCS 306**  
**TITLE:                         INTERNET COMPUTING**  
**DATE:                         APRIL 2014**  
**TIME: DURATION:         2HOURS**

**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 provide.**

### QUESTION ONE (30 Marks)

- a) Briefly explain at least four core benefits of Web Based Applications to an organization. (8 Marks)
- b) HyperText Markup Language (HTML) is the language for specifying the *static* content of Web pages. Briefly define the two terms: Hypertext and Markup (4 Marks)
- c) HTML specifies a set of *tags* that identify structure and content type. Write a tag to specify an image and another one to enclose the title of a page (4 Marks)
- d) Write an HTML *element* to identify a TITLE element (2 Marks)
- e) For an internet to work and serve clients successfully, the following are normally required; Protocol, IP address, URL, Domain name and client & server. Briefly describe any Four. (8 Marks)
- f) Name any four protocols commonly used on the internet and state their functions (4 Marks)

### QUESTION TWO (20 MARKS)

- a) Presentation is important since there is only one chance to make a good and lasting impression. Name two tools used in website design that can assist in decorating a website. (2 Marks)
- b) Give your brief overview knowledge of the two tools used in website design (8 Marks)
- c) List 6 of the major internet tools and services (6 Marks)
- d) Briefly explain any two of the internet tools and services (4 Marks)

### QUESTION THREE (20 Marks)

- a) List and briefly describe Six of the known computer crimes (9 Marks)
- b) State the purpose of A **document type definition (DTD)**, and the main components of a well-formed document (3 Marks)
- c) List at least 4 of the major internet tools and services (4 Marks)
- d) Briefly explain any two of the internet tools and services (4 Marks)

**QUESTION FOUR (20 Marks)**

- 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 marks)

**QUESTION FIVE (20 Marks)**

- a) List and explain key challenges experienced before implementing an office automation system complete with internet connectivity (6 marks)
- b) Your company wants to develop a website, explain the steps that would lead to a good professional website (6 Marks)
- c) Briefly discuss how the following two tools are used in website design (8 Marks)
  - i) Javascript
  - ii) Cascading style sheets (CSS)