



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

UNIVERSITY EXAMINATIONS 2012/2013

**3RD YEAR 1ST SEMESTER EXAMINATION FOR THE DEGREE
OF BACHELOR OF EDUCATION (ARTS AND SCIENCE) WITH
IT
MAIN**

COURSE CODE: SCS 306

COURSE TITLE: INTERNET COMPUTING

DATE: 30 .4.2013 TIME: 9.00-11.00AM

DURATION: 2 HOURS

INSTRUCTIONS

- 1. This paper consists of 5 Questions.**
- 2. Answer Question 1 (Compulsory) and any other 2 questions**
- 3. Write your answers on the answer booklet provided**

QUESTION ONE (30 MARKS- COMPULSORY)

- a) Briefly define the term Internet (2 Marks)
- b) List and briefly describe Six of the known computer crimes (9 Marks)
- c) Internet is prone to security challenges, to address these challenges; computer experts have introduced Computer Forensic. Briefly explain the terms *Computer Security* and *Computer Forensic* in relation to internet. List five of the challenges that would affect internet services. (9 Marks)
- d) In one of your lecture classes, you learnt about Introduction to Web Development. Define some of these terminologies which were repeatedly used. (6 Marks)
 - i) Uniform Resource Locator (URL)
 - ii) Website
 - iii) Markup Language
 - iv) HTML Documents
- e) State the purpose of A **document type definition (DTD)**, and the main components of a well-formed document (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) 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)
- b) Briefly give your understanding of how an internet uses TCP/IP protocols. (4 Marks)
- c) Name four protocols commonly used on the internet and state their functions (8 Marks)

QUESTION FOUR (20 Marks)

- a) The URL comprises of three parts, name them and state their roles. (6 Marks)
- b) Give your understanding of a web based application (4 Marks)
- c) Enumerate four examples of Web Base Applications (4 Marks)
- d) Give four justifiable reasons why we need Web Based Applications (6 Marks)

QUESTION FIVE (20 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) Write an HTML *element* to identify a BOLD element (2 Marks)