



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS

UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF EDUCATION ARTS

WITH IT

3RD YEAR 1ST SEMESTER 2015/2016 ACADEMIC YEAR

KISUMU CAMPUS

COURSE CODE: SCS 306

COURSE TITLE: INTERNET COMPUTING

EXAM VENUE: STREAM: BED ARTS

DATE: JAN-APRIL 2017 EXAM SESSION:

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 30 MARKS

- 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)
- 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)