



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY  
UNIVERSITY EXAMINATION 2014

SEMESTER EXAMINATION FOR DEGREE OF BACHELOR OF EDUCATION  
BED YEAR 2, SEMESTER (FULL TIME)

KISII LEARNING CENTRE

COURSE CODE: SCS 207

TITLE: WEB DESIGN AND PUBLISHING

DATE:

DURATION: 2 HOURS

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 the internet (6 marks)
- i. Web
  - ii. Webpage
  - iii. Homepage
  - iv. Hyperlink
  - v. Server
  - vi. Web server
- b. Explain four types of websites (8 marks)
- c. i. What is a search engine? (2 marks)
- ii. List four search engines (4 marks)
- d. i. Explain web publishing (3 marks)
- ii. In order to publish content on the web, you need three things. Discuss them (6 marks)
- e. Outline the meaning of web design (1 marks)

**QUESTION TWO**

- a. What is a web browser? Name three web browsers (5 marks)
- b. The following Skills and techniques are necessary during web designing process. Explain them (10 marks)
- i. Marketing and communication design
  - ii. User experience design and interactive design
  - iii. Page layout
  - iv. Typography
  - v. Motion graphics
- c. Outline the online research process (5 marks)

**QUESTION THREE**

- a. Explain three web design principles (6 marks)
- b. write the following abbreviations in full (4 marks)
- i. AfriNIC
  - ii. ARIN
  - iii. APNIC
  - iv. LACNIC
- c. Explain three internet services (6 marks)
- d. List two social networks ion the internet (2 marks)
- e. List two server side coding software (2 marks)

## QUESTION FOUR

- a. Explain the following terms as applicable in the web (14 marks)
- i. Electronic business
  - ii. Telecommuting
  - iii. Crowdsourcing
  - iv. Politics and political revolutions
  - v. Philanthropy
  - vi. Surveillance
  - vii. Censorship
- b. List three client side coding software (3 marks)
- c. Outline the following types of web hosting (3 marks)
- i. Free web hosting service
  - ii. Shared web hosting service
  - iii. Reseller web hosting

## QUESTION FIVE

- a. Explain four user interface elements of a web browser (8 marks)
- b. Using a diagram, explain the TCP/IP layer architecture (8 marks)
- c. What is an intranet? Explain three benefits of an intranet (4 marks)