



MACHAKOS UNIVERSITY

University Examinations for 2018/2019

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY

SECOND SPECIAL/SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF SCIENCE (COMPUTER SCIENCE)

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

SCO: 207 WEB DEVELOPMENT TECHNOLOGIES

SIT 209: WEB DESIGN

DATE: 26/9/2019

TIME: 11:00 – 1:00 PM

INSTRUCTIONS

This paper consists of FIVE questions

*Answer **question one** and other **two** questions in this paper*

QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Write a HTML code that produces the following result:

MAIN TITLE	
Menu	Content goes here
HTML	
OSS	
Javascript	
Copyright @ mksu2013	

(5 marks)

- b) Give the limitations of CSS (5 marks)
- c) What is a domain name? (3 marks)
- d) How is a domain name useful in a website. (3 marks)
- e) Explain the steps in registering a domain name. (8 marks)
- f) i. What is SSL? (2 marks)
- ii. Explain two way of battering webometric ranking. (4 marks)

QUESTION TWO (20 MARKS)

- a) State and explain any THREE types of websites. (6 marks)
- b) Discuss any FIVE features of a good website. (5 marks)
- c) Describe FIVE qualities of a good web designer. (5 marks)
- d) Describe each of the following types of server
 - i. Web server
 - ii. DNS server (4 marks)

QUESTION THREE (20 MARKS)

- a) State and explain any TWO ethical issues when using the internet. (2 marks)
- b) Highlight how modern organizations respond to business pressures in this era of globalization. (6 marks)
- c) Describe FOUR factors to consider when choosing an ISP. (8 marks)
- d) Describe the benefits of outsourcing web development services. (4 marks)

QUESTION FOUR (20 MARKS)

- a)
 - i. Define the term URL (1 mark)
 - ii. Using an example, state and explain the THREE major components of a URL. (4 marks)
- b) Illustrate how a web browser works in a client-server architecture. (10 marks)
- c)
 - i. What is a web-mail. (1 mark)
 - ii. Distinguish between an e-mail and web mail giving advantages of each. (4 marks)

QUESTION FIVE (20 MARKS)

- a) What are the uses of the following javascript operators?
 - (i) +
 - (ii) =
 - (iii) -
 - (iv) ++
 - (v) *(5 marks)
- b) Using an illustration explain:
If.....else if.....else statement (5 marks)
- c) Describe the steps and procedures in project management (10 marks)