



TECHNICAL UNIVERISTY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

UNIVERSITY EXAMINATION FOR:
BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY
(BSIT)

ICS 2203: INTRODUCTION TO THE INTERNET

END OF SEMESTER EXAMINATION
SERIES: DECEMBER 2013
TIME: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*

This paper consists of **FIVE** questions.

Attempt question **ONE (COMPULSORY)** and any other **TWO** questions

Maximum marks for each part of a question are as shown

This paper consists of **THREE** printed pages

Question One (Compulsory)

- Identify **TWO** locations in an HTML page that JavaScript code can be placed. **(4 marks)**
- List major JavaScript event and explain with example. **(6 marks)**
- Write a JavaScript program to illustrate variable assignment using **TWO** variables that are assigned numbers and then output their sum and average. **(8 marks)**
- Write a JavaScript using a while loop to output 10 numbers, starting from number 20 to 30. **(3 marks)**
- Explain JavaScript functions, and give the general format of a JavaScript function **(4 marks)**
- Explain the following tags:
 - ` ...`

(ii) <Div>....</Div> (2 marks)

g) Describe the JavaScript object model, giving the format of the objects. (2 marks)

h) Explain CSS and list THREE attributes of the CSS (5 marks)

Question Two

a) Differentiate between the following terms. (10 marks)

- (i) HTTP and the HTML
- (ii) Web server and web client
- (iii) Cookie and a session
- (iv) Dynamic and static web page
- (v) JQUERY and AJAX

b) State and briefly explain any FIVE characteristics of a web programming language you would consider to use to build a web application. (5 marks)

c) Explain using an example any FIVE form attributes. (5 marks)

Question Three

a) Define hypermedia (1 mark)

b) Develop a web page:

- (i) That contains an image link to the next page. The image file name is pic.jpeg.
- (ii) Contain both link to the bottom page and top page
- (iii) Contain a link to a social network twitter.com

(6 marks)

c) Explain using example the benefit of using JavaScript in an HTML document. (3 marks)

d) Using example design THREE types of list (6 marks)

e) Describe the JavaScript syntax and where JavaScript can be used (4 marks)

Question Four

a) Explain differences between:

- (i) Stand alone and container tag
- (ii) Colspan and Rowspan
- (iii) Cell spacing and cell padding

(6 marks)

b) Using examples, describe JavaScript alert boxes (6 marks)

c) Describe FOUR tools used for web development (8 marks)

Question Five

a) List FIVE factor to consider when designing a user friendly web page interface. (5 marks)

b) Explain using an example any FIVE form attributes. (5 marks)

DAY ONE	TIME	NAM E	THE ME	DAYTW O	TIME	NAME	THEME
	7.00				7.00		
	9.00	DR OLO	ECOSYSTEM		9.01	DR CATY	BUSINESS
	9.00				9.00	DR	
	11.00	DR ALI	RESEARCH		11.00	PHATM A	TECHNOLO GY
	11.00	DR			1.00		
	1.00	RAM ZI	AGRICULTURE		11.00		
					1.01	DR SAMY	CATTLE

(10 marks)