THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

A. M. E. C. E. A

P.O. Box 62157 00200 Nairobi - KENYA Telephone: 891601-6 Fax: 254-20-891084 E-mail:academics@cuea.edu

MAIN EXAMINATION

AUGUST – DECEMBER 2018 TRIMESTER

FACULTY OF SCIENCE

DEPARTMENT OF COMPUTER AND LIBRARY SCIENCE

REGULAR PROGRAMME

CMT 108: INTRODUCTION TO WEB DESIGN AND DEVELOPMENT

Date:	DECI	EMBE	R 2018	Duration: 2 Hours
INSTR	RUCTI	ONS:	Answer Question ONE and any other TWO) Questions
Q1.	a)	i)	What is a closure in Javascript?	(2 Marks)
		ii)	How are object properties assigned in Javascri	pt? Give example (2 Marks)
		iii)	Differentiate between HTML tags vs. elements	•
	b)	i)	What does the four-part addressing scheme of Locators tells the Web browser?	Uniform Resource (4 Marks)
		ii)	Which HTML attribute is used to define inline sexample of your choice to show its usage	styles?. Use an (2 Marks)
		iii)	What is the difference between inline and block	elements? (3 Marks)
	c)	i)	What is the difference between a <div> and a <</div>	frame>? (2 Marks)
		ii)	How are active links different from normal links	? (2 marks)
		iii)	What is a CSS file? What are the three ways of sheets to the web layout?	f adding CSS style (4 Marks)
	d)	i)	How can you align a table to the right or left?	(2 Marks)

Cuea/ACD/EXM/AUGUST - DECEMBER 2018 / COMPUTER / LIBRARY SCIENCE

- ii) Describe how an image can be linked to another page in HTML? Give an example (3 Marks)
- iii) Add the appropriate tags in the paragraph below (2 Marks)

This is how we make a word appear italic.

It's a potato Solanum teberosum.

Captain Cook sailed to Australia on the Endeavour.

- Q2. a) What are the possible ways in which CSS styles can be applied in a web page? (6 Marks)
 - b) Write an HTML code to render the following output on a web browser (5 Marks)

Name	Maths	Science	English	Physics	General Knowledge
David	85	87	88	92	88
Richard	91	81	78	71	74
John	81	86	88	84	92
Tony	84	86	87	82	81
Scott	71	79	82	88	89

c) Given the below HTML output, generate the correct html codes (5 marks)

Micheal
Last name:
Lawrance

d) From the html page below generate the output

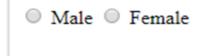
(4 Marks)

- Home
- About
- Movies
- Contact

Q3.	a)	Given the output,	, write the appropriate HTM code to render	the table on a
		web browser		(6 Marks)

	Withdrawn	Credit	Balance
January	250.00	660.50	410.50
February	135.55	895.20	1170.15

- b) Explain four rules to be followed when writing an xml document (4 Marks)
- c) Explain the difference between the alt attribute and the title attribute? (4Marks)
- d) Based on the output below, write appropriate HTML codes to render the form. (6Marks)

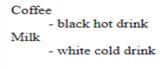


Q4. a) Write an HTML code to render a drop down list with name="cars". Include the following options: "volvo", "ford", "fiat", and "audi" . **(6Marks)**



b) Explain the three Web Design Tools

- (4 Marks)
- c) Write the appropriate code to render the following on the web browser (6 Marks)



- d) Describe four ways that can be used in! DOCTYPE Declaration in HTML?

 (4 Marks)
- Q5. a) How are active links different from normal links? (5 Marks)
 - b) Explain the two different way in which website layout can be done
 (4 Marks)

c) Generate the html code for the output below adding a horizontal rule between the heading and the paragraph. (6 Marks)

London

London is the capital city of England. It is the most populous city in the United Kingdom, with a metropolitan area of over 13 million inhabitants.

d) Mark up the following text with appropriate tags:

(5 Marks)

Universal Studios Presents

Jurassic Park

About

On the Island of Isla Nublar, a new park has been built: Jurassic Park is a theme park of cloned dinosaurs!!

END