

THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY (DIT/MAY2011)

ECS 2213: WEB DESIGN

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: MAY/JUNE 2012

TIME: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*

This paper consist of **FIVE** questions

Answer any **THREE** questions. Question **ONE** is compulsory

Maximum marks for each part of a question are as shown

This paper consists of **FOUR** printed pages

SECTION A (Compulsory – 30 marks)

Question ONE

- a) Explain the main function of web browsers (2 marks)
- b) Differentiate the terms; Internet, Intranet, and Internet (3 marks)
- c) Explain the following terms: Protocol, Domain name (4 marks),
- d) Describe each of the following terms in the life-cycle model. (4 marks)
- i) Design
 - ii) Support
- e) Write an HTML code to demonstrate text emphasis levels, use any text. (3 marks)
- f) Write an HTML code to insert a graphic on a webpage named 'mypicture.jpg' of size 300 by 400 and make the graphic a hyperlink to a file 'mycv.html.' (5marks)
- g) Write an HTML code that will result in the output given: (4 marks)
- A. Maid Elizabeth (for inspiration and support)!**
 - B. Sir Arthur (very good with his sword)!**
 - III. Sir Fanciful (and his enlisted mob)**

 - D. Guy the Forester (not bad with a longbow)!**
 - E. Assorted plague ridden peasants (good for chucking at the enemy)!**
- h) Explain the HTML table elements (3marks)
- i) Explain the Three form elements (3marks)

Question TWO

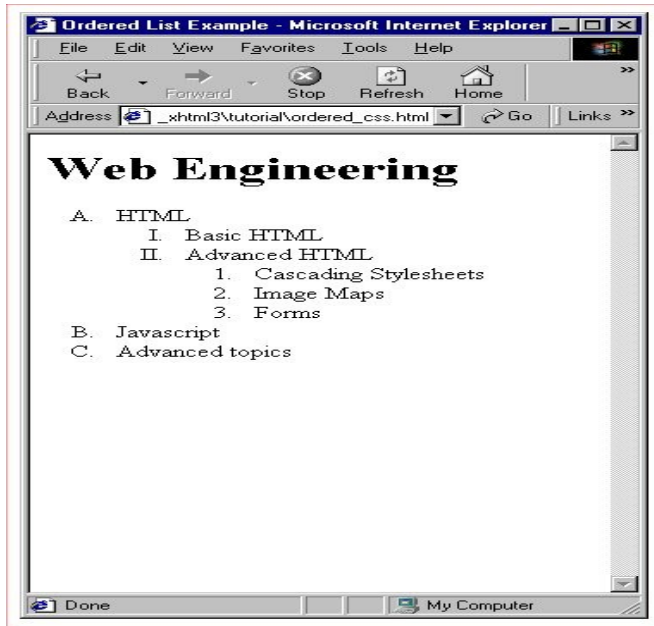
- a) Write an HTML code to create the table below. (14marks)

Bikes Info!	Bike	Speed	Insurance Band	Price
	YF600R	149.4	14	7245
	CBR600F-T	151.7	14	7230
	ZX-6R Ninja	156.5	14	7445
RF600R	142	13	6699	

- b) Make the items: Bike be a hyperlink to a file P1.html , Speed be a hyperlink to a file P2.html , and Price be a hyperlink to a file P3.html by modifying the code where these items appear in the code in Q2a. above. (6marks)
- c) Explain Common Gateway Interface (CGI), its purpose and any problem associated with it (5 marks)

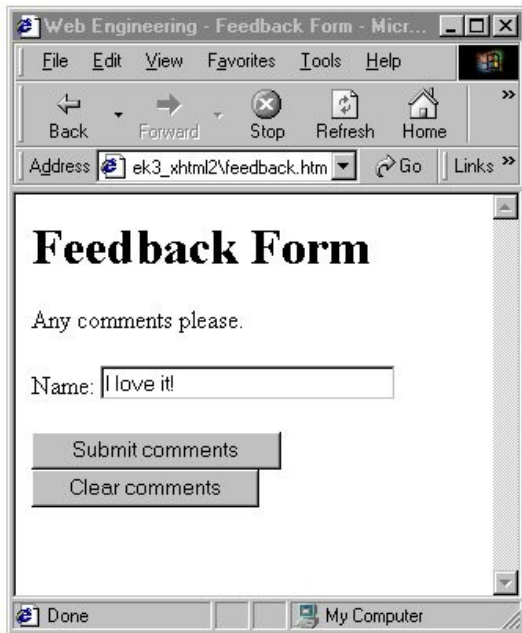
Question THREE

- a) i. Explain the purpose of using stylesheets (5marks)
ii. Describe the types of stylesheets
- b) i State the three methods of adding style rules to HTML (8marks)
ii. In each of the methods stated above illustrate the syntax with a suitable example
- c) Write a HTML .css code to generate the out put given below: (7marks)



Question FOUR

- a) Explain the following as used in forms: (7marks)
- Checkboxes
 - Radio Buttons
 - Text Fields
 - Password Fields
 - Submit Buttons
 - Reset Buttons
- b) Write HTML code to create the form page as shown below. (13marks)



Question FIVE

- a) (i) Outline the major drawbacks of HTML (7marks)
- (ii) Describe XML clearly as demonstrate that it is a better development from HTML. (13 marks)