



UNIVERSITY EXAMINATION 2012/2013

SCHOOL OF PURE AND APPLIED SCIENCES

DEPARTMENT OF INFORMATION TECHNOLOGY

BACHELOR OF BUSINESS INFORMATION TECHNOLOGY

VIRTUAL CAMPUS

UNIT CODE: BIT 1202      UNIT TITLE: FUNDAMENTAL OF INTERNET

DATE: MARCH 2013

MAIN EXAM

TIME: 2HRS

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Answer Question One and any other Two Questions.

1. a) Explain the following concepts. (10 Marks)
  - i. Domain
  - ii. Website.
  - iii. Webpage.
  - iv. IP Address.
  - v. Tag.
  
- b) Using example, explain the components of an email address. (6 Marks)
- c) Write HTML code segment for:
  - i. Linking email address [enquiries@mku.ac.ke](mailto:enquiries@mku.ac.ke) (3 Marks)
  - ii. Linking "course.html" web page of mku website. (3 Marks)
  - iii. Linking a "home.html" web page where user clicks on image "myhome.jpg" in order to access the home page. (3 Marks)
  
- d) Write a code for a given table below. (5 Marks)

EVENT TIME		DURATION	
MORNING	AFTERNOON	HOURS	MINS
FOOTBALL	TABLE TENNIS	2	20
NETBALL	RUGBY	1	30

2. A) With the help of sample codes explain the function of the following HTML tags. (9 marks)

- i. `<pre>`
- ii. `<dl>`
- iii. `<hr>`

b) Using example, explain the components of a web site URL. (6 Marks)

c) Write a code to demonstrate how to format web page background using a color. (2 Marks)

d) Explain two methods that a user can use to look for information on the internet. (3 Marks)

3. A) Implement the HTML code that generates the given lists on the web browser. (6 Marks)

- Engineering units
  1. Introduction to computers.
  2. Operating system.
- IT Units.
  1. Computer application
  2. Programming.
- Accounts Units.
  1. Introduction to business.
  2. Economics

b) Consider a form required to collect the following user information.

- Name.
- Age.
- Telephone.
- Country – select from: Kenya or Uganda using option buttons.
- City – Select from: Kampala, Nairobi, Mombasa using drop down menu.

The form has button to submit the collected information and also button to reset the form.

Required:

Write a code that produces the form with the above specifications: (10 Marks)

c) Explain the following internet protocols. (4 Marks)

- i. FTP
- ii. Telnet.

4. A) State and elaborate the basic requirements for web developing. (5 Marks)

b) Using examples, demonstrate two methods of using colors in HTML. (4 Marks)

c) Write a HTML code that formats a web page background using an image. (3 Marks)

d) Differentiate between a dynamic and static web page. (4 Marks)

e) Using examples, demonstrate how to implement bulleted list in HTML. (4 Marks)

5. A) Using sample code explain the difference between option button and checkbox. Show how each is applied in web form. (6 Marks)

b) Explain the following abbreviations. (6 Marks)

- i. URL
- ii. FTP
- iii. HTTP

c) Explain the fundamental difference between internet and network. (6 Marks)

d) What is a web server? (2 Marks)