Mount Kenya University

UNIVERSITY EXAMINATION 2015/2016

SCHOOL OF PURE AND APPLIED SCIENCES
DEPARTMENT OF INFORMATION TECHNOLOGY

BACHELOR OF BUSINESS INFORMATION TECHNOLOGY, BACHELOR OF INFORMATION TECHNOLOGY, BACHELOR OF INFORMATION SYSTEMS AND BACHELOR OF EDUCATION
SCHOOL BASED

UNIT CODE: BIT2102 UNIT TITLE: FUNDAMENTALS OF INTERNET

DATE: DECEMBER 2015 MAIN EXAM TIME: 2 HOURS

Instructions: Answer ALL Questions in Section A and ANY other TWO in Section B

SECTION A (Compulsory)

QUESTION ONE (30Marks)

a) Define
   i) World Wide Web (2 Marks)
   ii) MODEM (2 Marks)
   iii) Search Engine (2 Marks)

b) Differentiate between http, https, ftp, and telnet (8 Marks)

c) What do you mean by a MAC address (1 Mark)

d) Write brief notes on:
   iv) Browser (2 Marks)
   v) ISP (2 Marks)
   vi) Domain Name (2 Marks)
e) What is URL? How does URL differ from the domain name? (6 Marks)

QUESTION TWO (20 Marks)

a) Discuss three requirements to connect to Internet (9 Marks)

b) What is bandwidth and how is it measured (5 Marks)

c) In HTML, a Table is comprised of Table Rows, and each Table Row contains Table Cells. Once the structure of your table is created, you can insert your data into the appropriate Table Cell. Write a HTML code to produce the following table with the border attribute of 1 (pixel). (6 Marks)

![HTML Table]

Answer

```html
<TABLE border="1">
  <TR><TD>Cell 1</TD><TD>Cell 2</TD></TR>
  <TR><TD>Cell 3</TD><TD>Cell 4</TD></TR>
  <TR><TD>Cell 5</TD><TD>Cell 6</TD></TR>
</TABLE>
```

QUESTION THREE (20 Marks)

a. Discuss FOUR internet connections options. (12 Marks)

b. Explain the difference between
   i) WWW and Internet (4 Marks)
   ii) Video conferencing and teleconferencing (4 Marks)
QUESTION FOUR (20 Marks)

Write a HTML code to create a simple web page, the page will look like the following when done.

Sealing the Heights of Education

My name is Peterson Smith and I am a student at Mount Kenya University.

This web page lists University Courses and Programs:

Courses on Offer this semester:
- PhD Business Administration
- PhD Education
- MBA
- MEd
- BBM
- BBT

QUESTION FIVE (20 Marks)

Write a HTML code to create a simple Feedback form on Mount Kenya University website, the form will look like the following when you are finished.
Contact Us

Use the following form to send a message to MKU

Your Email

Message

How did you hear of us?  Local newspaper 
Newsletter

[ ] Ensure this box is checked if you would like to receive email updates

Send message