



UNIVERSITY EXAMINATION 2017/2018

SCHOOL OF COMPUTING AND INFORMATICS DEPARTMENT OF INFORMATION TECHNOLOGY

BBIT/BIT/BEDS SCHOOL BASED/DIBL

UNIT CODE: BIT2102

**UNIT TITLE: FUNDAMENTALS OF
INTERNET**

DATE: AUGUST, 2018

SUPP/SPECIAL EXAM

TIME: 2 HOURS

INSTRUCTION:

Attempt question **One** and any other **Two** questions.

QUESTION ONE (30 Marks)

- a) Discuss any FIVE qualities of a good website. (5 Marks)
- b) Discuss any five factors that may compel an organization to invest in a website. (10 Marks)
- c) Define the term ISP and give example of ISPs in Kenya. (5 Marks)
- d) It is now a common trend to see businesses developing websites. Research indicates that websites has influence of image and growth of a business. Explain Five advantages of the website for a business (10 Marks)

QUESTION TWO (20 MARKS)

- a) Explain what is Internet? And give a brief history of internet (8 Marks)
- b) Write the correct HTML code for creating a hyperlink to the website www.mku.ac.ke (6 Marks)
- c) Discuss dynamic website and how it works (6 Marks)

QUESTION THREE (20 MARKS)

- a. Describe the client/server architecture and state any two advantages and two disadvantages of the client server architecture. (6 Marks)
- b. Elaborate the best practices in website development (4 Marks)
- c. Define HTML and discuss how it works (4 Marks)
- d. Explain the following terms:- (6 Marks)
 - i. TCP
 - ii. Bandwidth management

QUESTION FOUR (20 MARKS)

- a) Discuss any for network protocols you are familiar with (8 Marks)
- b) Illustrate using html code how to create the following
 - i) Green background and white text color as default for the page. (2 Marks)
 - ii) Table with two rows and two columns and some contents (3 Marks)
 - iii) Local Hyperlink (2 Marks)
- c) Discuss any five applications of the internet. (5 Marks)

QUESTION FIVE (20 MARKS)

- a) Differentiate between the following terms:- (6 Marks)
 - i) Web server and web client.
 - ii) Empty tags and container tags
- b) Briefly explain some of the requirements for connection to the internet (6 Marks)
- c) Describe how the www works (3 Marks)
 - i) Describe the importance of the TCP/IP protocol suite (5 Marks)