

**W1-2-60-1-6**

## JOMO KENYATTA UNIVERSITY

**OF**

**AGRICULTURE AND TECHNOLOGY**

# University Examinations 2016/2017

**FIRST YEAR SECOND SEMESTER EXAMINATION FOR THE DIPLOMA IN INFORMATION TECHNOLOGY**

**DIT 0501 : INTRANET TECHNOLOGY**

**DATE: JULY 2017 TIME: 1½ HOURS**

**INSTRUCTIONS: ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER**

**TWO QUESTIONS.**

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**QUESTION ONE (20 MARKS)**

(a) Define the term intranet. Illustrate using a technical schematics. [4 marks]

(b) Explain the following terms related to intranet: [6 marks]

(i) Extranet.

(ii) VPN

(iii) Internet.

(c) Describe the key features of intranet and extranet. [10 marks]

**QUESTION TWO (20 MARKS)**

(a) Explain how intranets are beneficial to business. [10 marks]

(b) Establishing guidelines is an important consideration when planning and developing a corporate intranet. Briefly explain five issues that should be addressed.

[10 marks]

**QUESTION THREE (20 MARKS)**

(a) Intranet and internet share a lot of terms of the underlying technology that supports them. Explain some of the commonalities in platform and infrastructure between the two in the following ways: [10 marks]

(i) Hardware.

(ii) Software.

(b) Discuss the merits and demerits of hosting an intranet portal locally within an institution premises vis a vis subscribing to third party hosting companies.

[10 marks]

**QUESTION FOUR (20 MARKS)**

(a) State and explain for application areas of intranet. [8 marks]

(b) Differentiate between intranet and internet. [6 marks]

(c) Discuss six ways of connecting to the internet. [6 marks]