



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS

**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE
IN BUSINESS INFORMATION SYSTEMS**

4TH YEAR 1ST SEMESTER 2017/2018 ACADEMIC YEAR

MAIN CAMPUS

COURSE CODE: IIS 3416

COURSE TITLE: E-TECHNOLOGY

EXAM VENUE:

STREAM: BIS

DATE:

EXAM SESSION:

TIME: 2.00 HOURS

INSTRUCTIONS:

- 1. Answer Question 1 (Compulsory) and ANY other two questions**
- 2. Candidates are advised not to write on the question paper**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room**

QUESTION ONE

- (a) Define E-Technology **(3 Marks)**
- (b) Describe four unique features of e-technology. **(4 Marks)**
- (c) E-technology is built upon a host of technological infrastructures. The internet is especially very important. Define the term Internet and describe the TCP/IP protocol suite upon which the Internet was created. **(4 Marks)**
- (d) Malware is a serious threat to e-technology environments. Describe four types of malware **(4 Marks)**
- (b) E-technology can be defined from different perspective. Describe three such perspectives **(5 Marks)**
- (c) Outline some of the advantages and disadvantages of E-technology **(6Marks)**
- (d) How is the Internet driving Innovation? **(4 Marks)**

QUESTION TWO

- (a) E-contracts are an important tool and offspring of e-commerce. Describe an e-contract and give an example of its applicability. **(6 Marks)**
- (b) What are the Characteristics of successful e-payment methods **(8 Marks)**
- (c) What is a domain name and give its significance in e-commerce **(6 Marks)**

QUESTION THREE

- (a) Today, small and medium-sized enterprises implement e-technology in order to improve business performance and competitiveness. Explain **(5 Marks)**
- (b) What are the main reasons why various e-technologies are implemented within enterprises **(5 Marks)**
- (c) Expound on the statement “E-activities are supported by various e-technologies” **(5 Marks)**
- (d) Can you state and explain what is meant by Technology readiness **(6 Marks)**

QUESTION FOUR

- a) E-business must be supported by corresponding technologies; business supporting technologies can be divided into three categories: List these technologies **(5 Marks)**
- b) Specifically, e-business impacts can be seen in each of the following:
- i. Structure/Connections
 - ii. Work routine

- iii. Communications
- iv. Marketing
- v. Information Technology

Discuss **(5 Marks)**

- c) An organization is a “chain” of activities, each providing a value. Outline the components of an e-business value chain **(5 Marks)**
- d) What are the components of a well-functioning commercial website? **(5 Marks)**

QUESTION FIVE

There are several legal issues regarding e-technology. The categories of issues include:

- i. Borders and jurisdiction
- ii. Jurisdiction on the Internet
- iii. Contracting and contract enforcement
- iv. Web site content

Discuss each category

(20 Marks)