



TECHNICAL UNIVERISTRY OF MOMBASA

# Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY  
(DICT 14J – Y2 S1)

**EIT 2202: E-COMMERCE**

END OF SEMESTER EXAMINATION

**SERIES: DECEMBER 2014**

**TIME: 2 HOURS**

**Instructions to Candidates:**

You should have the following for this examination

- *Answer Booklet*

This paper consists of **FIVE** questions. Attempt question **ONE (Compulsory)** and any other **TWO** questions  
Maximum marks for each part of a question are as shown

This paper consists of **THREE** printed pages

### Question One (Compulsory)

- a) Compare and contrast between traditional commerce and electronic commerce. **(4 marks)**
- b) State the advantages of value added networks over public networks. **(4 marks)**
- c) Briefly explain the following modes of payment. **(6 marks)**
  - (i) E-check
  - (ii) Digital cash
  - (iii) Credit card
- d) State the benefits of conducting e-commerce to customers. **(4 marks)**
- e) State the reasons why E-crimes are difficult to shop. **(4 marks)**

### Question Two

- a) State the difference between the following:
  - (i) E-commerce and E-business **(2 marks)**
  - (ii) Internet and the worldwide web **(2 marks)**
  - (iii) Extranet and Intranet **(2 marks)**
- b) List the roles of inter medicines in e-markets. **(4 marks)**
- c) State the difference between technological limitation and non-technological limitation of e-commerce. **(4 marks)**
- d) Explain the difference between public key encryption and private key encryption. **(4 marks)**

### Question Three

- a) State the limiting factors affecting e-commerce in Kenya. **(4 marks)**
- b) State and explain the types of e-commerce and state an example for each. **(6 marks)**
- c) Explain the benefit and challenges of EDI to its implementation in e-commerce. **(6 marks)**
- d) State the difference between non-technical attacks and technical attacks in relation to e-commerce. **(4 marks)**

### Question Four

- a) Describe each of the following standards for e-payment: **(3 marks)**
  - (i) Secure socket layer (SSL)
  - (ii) Transport Layer Security (TLS)
  - (iii) Secure Electronic Transaction (SET)
- b) Not all commodities are suitable for e-commerce. Discuss this statement using examples. **(4 marks)**
- c) Explain the framework of electronic commerce. **(5 marks)**

d) Explain the technologies that facilitate E-commerce. **(6 marks)**

e) Explain the different types of portals. **(2 marks)**

**Question Five**

a) What are the components of a typical successful e-commerce transaction loop **(8 marks)**

b) Describe the factors that are critical for an e-payment method to achieve critical mass. **(4 marks)**

c) Define the term digital signatures and how they can be used to secure E-commerce transaction. **(4 marks)**

d) Explain each of the following security issues:

(i) Authorization

(ii) Authentication

(iii) Non-Repudiation

(iv) Integrity

**(4 marks)**