TECHNICAL UNIVERISTY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY
(DICT 13M)

EIT 2202: ELECTRONIC COMMERCE

END OF SEMESTER EXAMINATION
SERIES: APRIL 2014
TIME: 2 HOURS

Question One (Compulsory)

a) Define traditional commerce. **(1 mark)**

b) Explain Value Added Network (VAN) **(2 marks)**

c) State FOUR examples of E-commerce application. **(4 marks)**

d) Outline the benefits of E-commerce to the society. **(4 marks)**

e) State FIVE characteristics of E-commerce **(5 marks)**

f) Differentiate between general portals and private portals. **(4 marks)**

Question Two

a) Explain the following types of electronic commerce. **(6 marks)**
    (i) Business to business e-commerce
    (ii) Business to consume e-commerce
    (iii) Consumer to consumer e-commerce

b) Explain the different electronic payment systems. **(6 marks)**

c) Describe the challenges facing electronic commerce. **(4 marks)**

d) Discuss the following threats to electronic commerce. **(4 marks)**
    (i) Botnets
    (ii) Denial of service
    (iii) Phishing
    (iv) Server and web page Hijacking

Question Three

a) Explain the advantages of EDI and barriers to its implementation in e-commerce. **(10 marks)**

b) Describe the pillars of e-commerce and the infrastructure necessary to implement electronic commerce. **(10 marks)**

Question Four

a) Describe FOUR security requirements for safe electronic payments. **(8 marks)**

b) Briefly explain how the public key encryption works. **(5 marks)**

c) List THREE types of shopping carts. **(3 marks)**

d) Differentiate between public key encryption and private key encryption. **(4 marks)**

Question Five

a) State and explain different methods of securing e-commerce transactions. **(10 marks)**

b) Explain the reasons why E-crimes are difficult to stop. **(4 marks)**

c) Not all commodities are suitable for electronic commerce. Explain using examples. **(6 marks)**