JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

UNIVERSITY EXAMINATION 2012/2013

1ST YEAR 1ST SEMESTER EXAMINATION FOR THE DEGREE OF MSC IN IT SECURITY AND AUDIT

KISUMU LEARNING CENTRE

COURSE CODE: IIT 5114

TITLE: SECURING AN ECOMMERCE INFRASTRUCTURE

DATE: 19/4/2013   TIME: 9.00-12.00NOON

DURATION: 3 HOURS

INSTRUCTIONS

1. This paper contains FIVE (5) questions
2. Answer question 1 (Compulsory) and ANY other 2 Questions
3. Write all answers in the booklet provided

QUESTION ONE

Ambo Investment Company a medium business firm which is struggling against the current competition from big organizations, high operation cost, weak consumer demand, and on-line shopping demands, the firm therefore decides to overcome these challenges through formulation of positive strategies to there advantage. The Management has settled for the adoption of e-commerce as a key to survival and prosperity of this firm even though they are still skeptical about its security.

You are therefore required to:

    i)   Identify the most appropriate ecommerce development option for this firm. Justify your selection of these option   (10 Marks)

    ii) Advice on the key security risks they may anticipate to encounter and how they can be controlled   (10 Marks)

    iii) Highlight **FIVE** perceived business advantages the firm will enjoy by adopting ecommerce   (10 Marks)

QUESTION TWO

a) Discuss some of the security attacks common with the ecommerce infrastructure   (10 Marks)

b) Evaluate the unique features of e-commerce technology   (8 Marks)

QUESTION THREE

a) Identify the key drivers of ecommerce adoption in an enterprise   (12 Marks)

b) Highlight the strategic roles of ecommerce   (10 Marks)

QUESTION FOUR

a) Discuss the development process of ecommerce site   (10 Marks)

b) Describe the ecommerce adoption classification and giving examples in each situation   (10 Marks)

QUESTION FIVE

a) Highlight the criteria for selecting ecommerce development approach (10 Marks)

b) Firewall is used as a security control measure; identify some of threat which can't be protected by the firewalls.   (4 Marks)

c) Examine the Barriers to ecommerce adoption   (6 Marks)