



**JARAMOGI OGINGA ODINGA UNIVERSITY  
OF SCIENCE & TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2012/2013**

**1<sup>ST</sup> YEAR 1<sup>ST</sup> SEMESTER EXAMINATION FOR THE DEGREE  
OF MASTER OF SCIENCE IN INFORMATION TECHNOLOGY**

**(KISUMU L.CENTRE)**

**COURSE CODE: IIT 5114**

**COURSE TITLE: SECURING E-COMMERCE INFRASTRUCTURE**

**DATE: 15/8/2013**

**TIME: 2.00-5.00 PM**

**DURATION: 3 HOURS**

**INSTRUCTIONS**

- 1. This paper consists of 5 Questions.**
- 2. Answer Question 1 (Compulsory) and any other 2 questions.**
- 3. Write your answers on the answer booklet provided.**

### **QUESTION ONE 20MARKS**

- a) Discuss the importance and difficulties of E-Commerce application maintenance. (8 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) Describe the limitations of ecommerce to society. (8 Marks)

### **QUESTION TWO 20MARKS**

- a) Describe the development options for E-commerce applications. (10 Marks)
- b) Highlight the unique features of ecommerce technology. (10 Marks)

### **QUESTION THREE 20MARKS**

Firm A has adopted the use of ecommerce as a strategic advantage. Discuss **FIVE** challenges A has to face during the life period of this infrastructure. (20 Marks)

### **QUESTION FOUR 20MARKS**

- a) Describe the criteria used for selecting a development approach for E-commerce infrastructure. (8 Marks)
- b) Describe the ecommerce adoption classification and giving examples in each situation (12 Marks)

### **QUESTION FIVE 20MARKS**

- a) Discuss the challenge firms are facing when adopting and using e-commerce infrastructure. (10 Marks)
- b) Identify the Ecommerce adoption driver in an enterprise. (10 Marks)