JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY SCHOOL OF INFORMATICS AND INNOVATION SYSTEMS

UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE

COMPUTER SECURITY AND FORENSIC

2ND YEAR 2ND SEMESTER 2013/2014 ACADEMIC YEAR

MAIN

COURSE CODE: IIT 3222

COURSE TITLE: INFORMATION TECHNOLOGY POLICY AND STRATEGY

EXAM VENUE: CL I   **STREAM: (BSc. Computer Security and Forensic)**

DATE: 14/04/14   **EXAM SESSION: 2.00 – 4.00 PM**

TIME: 2.00 HOURS

Instructions:

1. Answer question 1 (Compulsory) and ANY other 2 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 (COMPULSORY- 30 Marks)

a) Enumerate and briefly explain the four steps for strategy formulation [8 Marks]

b) Businesses today use information systems to achieve six major objectives; identify these objectives. [6 Marks]

c) Identify and describe the three dimensions of information systems [9 Marks]

d) Asses the challenges posed by Strategic Information Systems and Management solutions. [7 Marks]

QUESTION TWO (20)

a) Outline and briefly discuss the policies that governments use to promote a country's ICT industries. [7 Marks]

b) Discuss the way ICT is implicated in contemporary globalization. Give examples to illustrate the role of ICT in the economic and political dimensions of globalization. [7 Marks]

c) Increasingly, companies depend on having a strong strategic alignment to obtain sustainable competitive advantage in the long term. Explaining the concept of strategic alignment, give examples of how companies may use information and communication technology to reach this goal. [6 Marks]

QUESTION THREE (20)

a) How does the design and implementation of information systems affect the outcomes of their adoption? [7 Marks]

b) The adoption of collaborative technology such as an Intranet requires careful implementation and management. What are the characteristics of Intranet technology and its different use modes? Present and discuss a model for Intranet implementation and management. [7 Marks]

c) Describe the different meanings of the 'information society' identified by Webster. Which of these meanings do you find more appropriate for a policy maker to adopt? [6 Marks]

QUESTION FOUR (20)

a) Discuss the significance of telecommunications infrastructures for an information society. What difficulties are poor developing countries faced with in their efforts to create such infrastructures? [8 Marks]

b) Cassidy has identified at least six reasons why strategic planning makes sense for CIOs. Enumerate the six reasons. [6 Marks]

c) The purpose of planning is to improve the chances of reaching desirable possible outcomes. Explain the three key benefits of planning to an organization.   [6 Marks]

QUESTION FIVE (20)

a) Briefly discuss how the following impact on building the major components of an institutional or IT strategic plan.

    i)   Mission, Vision, Values, and Goals: [3 Marks]

    ii)   Internal and External SWOT Analysis   [3 Marks]

    iii)   Gap Analysis   [3 Marks]

    iv)   Objectives   [3 Marks]

b) Explain each of the components of Basic IT Strategic Planning Model.   [8 Marks]