



**Jaramogi Oginga Odinga University of Science & Technology**

**University Examinations 2013/2014**

**School of Informatics and Innovative Systems**

**Course Title: Innovation and knowledge creation**

**Course Code: IIS 5211**

**Date: August 2013**

**Duration: 3 Hrs**

## **INSTRUCTIONS**

- i. Question consist of five question
- ii. Answer Question ONE and any other TWO Questions
- iii. Write the answers in the booklet provided

## **1. Question One 30marks**

- a) Outline the importance of the following concepts as used in innovation and knowledge creation (9mk)
- i. Co-initiation
  - ii. Negotiation observation
  - iii. Deep observation
  - iv. Collective sense organs
  - v. Presencing
  - vi. Crystallizing
  - vii. Prototyping
  - viii. Reflection
  - ix. Theory
- b) Describe how the following terminologies relate to innovation (5mk)
- i. an idea
  - ii. Creativity
  - iii. Motivation
  - iv. Wisdom
  - v. Knowledge
- c) With typical examples, Discuss how the following information technological innovations are/ likely to shape future of innovations in Kenya.
- i. Cloud computing technologies (3mk)
  - ii. Mobile applications (2mk)
  - iii. Web semantics (3mk)
  - iv. Wireless and cellular networks (2mk)
  - v. Data security (1mk)
- d) Explain the concept of Computational creativity (5mk)

## **Question Two 20marks**

Using your county as reference .Give a discourse on application of brainstorming as technique in innovation and knowledge creation (20mk)

## **Question three 20marks**

Assuming that you are a chief information officer of an organization dealing with mobile money transfer, you will be responsible in making choices among many alternative innovation models or adopt one of the models in coming up with mobile money transfer innovations. Give a discourse on the suitability of these two approaches. (20mk)

#### **Question four 20marks**

- a. According to Eladwian and Alinum (2008), Knowledge creation is process, and that effective utilization of these process leads to innovation. Describe how this view can be suitable in changing university education management Kenya. (12)
- b. Describe the various ICTs that would be applicable during the knowledge creation processes described in Question 5(a) above. (8mk)

#### **Question five 20marks**

Kaplan and Winby (2010) suggest organizational models and structures that can support and drive strategic innovation, series of “deeper dives” into the individual models. Explain their suitability for today’s organization. (20mk)