

W1-2-60-1-6

**JOMO KENYATTA UNIVERSITY**

**OF**

**AGRICULTURE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2014/2015**

**YEAR I SEMESTER I EXAMINATION FOR THE DEGREE FOR BACHELOR OF COMMERCE/ YEAR II SEMESTER I EXAMINATION FOR BUSINESS INFORMATION TECHNOLOGY**

**HSC 2408/BIT 2224: TECHNOLOGY AND INNOVATION**

**DATE: AUGUST 2015 TIME: 2 HOURS**

**INSTRUCTIONS: ANSWER QUESTION ONE AND ANY OTHER TWO QUESTIONS**

**QUESTION ONE (COMPULSORY)**

1. Explain the meaning of the term technology [2 marks]
2. Distinguish between technology diffusion and technology and technology transfer. [2 marks]
3. Differentiate between innovation and creativity [2 marks]
4. State and explain FIVE reasons why companies prefer technology transfer. [5 marks]
5. Discuss FOUR sources of innovation. [8 marks]
6. Describe THREE methods of improving creativity [6 marks]
7. Discuss FIVE dimension of technology [5 marks]

**QUESTION TWO (20 MARKS)**

1. Briefly describe FIVE factors that make an innovation to be adopted. [10 marks]
2. Briefly discuss FIVE categories of adopters. [10 marks]

**QUESTION THREE (20 MARKS)**

1. By use of appropriate examples, explain at least FOUR types of innovations. [8 marks]
2. Discuss FOUR methods of protecting innovation from copycats. [8 marks]
3. Describe TWO theories of technology. [4 marks]

**QUESTION FOUR (20 MARKS)**

1. Describe how technology has improved the safety of the environment. [10 marks]
2. Discuss FIVE factors that continued to constrain the pace of effective technology growth in Kenya. [10 marks]

**QUESTION FIVE (20 MARKS)**

1. Briefly explain SIX ways of promoting technology diffusion. [12 marks]
2. Explain the process of innovation. [8 marks]