

# JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS

# UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR SCIENCE IN SECURITY AND FORENICS

## 3<sup>rd</sup> YEAR 1<sup>st</sup> SEMESTER 2016/17 ACADEMIC YEAR

#### **MAIN CAMPUS**

**COURSE CODE: IIT 5115** 

COURSE TITLE: IT LAW, ETHICS AND SOCIETY

**EXAM VENUE:** STREAM: MSc IT Security and Audit

DATE: Dec 2016 EXAM SESSION:

TIME: 3.00 HOURS

#### **INSTRUCTIONS:**

- 1. The paper consists of FIVE questions. Answer ANY THREE 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 1**

- a) Write down two activities or rules that you would consider suitable to be referred to as professional ethics or ethics of the profession. (2 marks)
- b) Reproducibility in Information Technology is widely practiced in Kenya; discuss its impact in an institution of learning like JOOUST
   (18 marks)

# **Question 2**

- a) Distinguish between ethical hacking and penetration testing. (6 marks)
- b) According to James Moor there is a policy vacuum surrounding IT policy (Sept, 1997); explain this statement in the ethical context of the revolution that is taking place in Information Technology today. (14 marks)

#### **Question 3**

Discuss the ethical implications of data integrity and data privacy to an IT or a computer professional. (20 marks)

#### **Question 4**

a) Explain how the theory of ethical relativism can be deployed in cloud computing.

(8 marks)

b) Outline two major ethical challenges that may arise as a result of using cloud computing in an organization and suggest ways of encountering the challenges.

**(12 marks)** 

#### **Ouestion 5**

CCTV cameras record activities of all the persons within an organization as a way of ensuring security of people, property and the environment.

Considering how it (CCTV) operates, discuss the major ethical challenges that have emerged as a result and recommend the ICT policies that would be put in place to handle the challenges.

(20 marks)