



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS
UNIVERSITY EXAMINATION FOR THE DEGREE OF MASTERS INFORMATION
TECHNOLOGY, SECURITY AND AUDIT
1st YEAR, 1st SEMESTER 2019/2020 ACADEMIC YEAR
KISUMU CAMPUS

COURSE CODE: IIT 5115

COURSE TITLE: Information Technology Law, Ethics and Society

EXAM VENUE: STREAM: Masters in Information Technology, Security and Audit

DATE: 14TH AUGUST 2019 EXAM SESSION: 2.00 – 5.00PM

TIME: 3.00 HOURS

INSTRUCTIONS:

- 1. This paper consists of FIVE questions**
- 2. Answer any three questions of your choice**

1. a) Outline three characteristics that describes a profession (6 marks)
- b) 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. (14 marks)

2. Use the scenario below to answer the four questions that follow;

Joe has a deadline set for giving an on-line demonstration to a class in which he uses software that was licensed for 90 days. Just 10 minutes before starting the seminar, he suddenly realizes that the license would expire in the next 20 mins implying that his on-line demonstration of 2 hours will not be accomplished. Rather than pay the licensing fee, he changes the date on his computer, effectively fooling the software into believing it is at the beginning of the licensing period. He successfully conducts his on-line demonstration.

- a) Explain the concept “computer ethics” (2 marks)
 - b) Describe the activity you consider unethical about Joe in the scenario above. (4 points)
 - c) Discuss an ethical theory that would categorize Joe’s activity as an ethical. (7 points)
 - d) Discuss an ethical theory that would categorize Joe’s activity as unethical (7 marks)
3. a) What is the difference between hacking and penetration testing (4 marks)
 - b) Identify two hacking methods and in each case describe how it is carried out. (8 marks)
 - c) Using an example, discuss how relativism theory is applied to computer ethics. (8 marks)
4. a) Explain the meaning of the term cloud computing. (2 marks)
 - b) Discuss the ethical issues arising from using cloud computing in organizations and suggest ways of encountering the challenges (18 marks)
5. Hacking has an effect on the integrity and confidentiality of Information.
 - a) Explain the meaning of the following as applied to data;
 - i) Integrity (2 marks)
 - ii) Confidentiality (2 marks)
 - b) Discuss how data integrity and confidentiality is considered one of major ethical issues in Information Technology (16 marks)