



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL INFORMATICS AND INNOVATIVE SYSTEMS
UNIVERSITY EXAMINATION FOR THE DEGREE OF SCIENCE
COMPUTER SECURITY & FORENSICS
1ST YEAR 2ND SEMESTER 2013/2014 ACADEMIC YEAR
CENTRE: MAIN

COURSE CODE: IIT 3126

COURSE TITLE: COMPUTER LAW ETHICS & SOCIETY

EXAM VENUE: LR 2

STREAM: BSc. Computer Security & Forensics

DATE: 18/12/2013

EXAM SESSION: 11.30 – 1.30 PM

TIME: 2 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 30marks

- a) Write short notes on the following [8 marks]
- i. Patent
 - ii. Copyright
 - iii. Trade marks
 - iv. Intellectual property act
- b) Discuss Cybercrime and its impacts in the society [4 marks]
- c) List any four common Personnel Management Related problems that arises due to the use or misuse of computers in the work place? [4marks]
- d) Explain six things to consider before seizing a system during investigations of a computer/cybercrime? [6 marks]
- e) What are four primary issues addressed in computer ethics and privacy? [4 marks]
- f) When developing information security policy, why is it important that senior management must endorse a security policy? [2 marks]
- g) What are three advantages of procuring commercial off-the-shelf (COTS)? [2 marks]

Question Two 20marks

- a) Define procurement, and explain any five elements of the procurement process while purchasing Information technology equipment's and software? [10 marks]
- b) Explain the life-duration of a copyright under Kenyan copyright law? [5 marks]
- c) What are four effects of piracy on the pirate software's? [4 marks]
- d) What does burden of proof stand for as a legal term? [1 mark]

Question Three 20marks

- a) Explain five reasons Why Protecting Intellectual Property right should be encouraged in modern economy [10 marks]
- b) Explain Health and Safety Issues related to the use of computers and the they can be improved [10 marks]

Question Four 20marks.

- a) List and explain any four potential security problems frequently encountered in the increasing use of intranets and extranets in business? What might be done to solve such problems? [8 marks]
- b) Using the Cognitive Dimensions of Notations, describe four different usability issues that are likely to arise specially when a user is creating and modifying programs on a mobile phone. [8 marks]
- c) What does due diligence stand for in reference to matters of legal liability? [2 marks]
- d) What does due care stand for in reference to matters of legal liability? [2 marks]

Question Five 20marks

- a) A study of the JOOUST system data logs shows two surprising patterns of behaviour. Some users repeatedly enter different values and then change them, apparently trying out the results. The other pattern includes long pauses between entering each piece of data, with the same users accessing help and documentation pages in alternation with data entry pages.
- (i) How might you account for these two patterns? [4 marks]
 - (ii) What usability analysis procedures might you carry out to improve usability of the system for these two classes of user? [4 marks]
 - (iii) What improvements might be experienced by each class as a result? [4 marks]
- b) Explain four elements of a contract in Information and Technology law [8marks]