



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS**  
**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF EDUCATION**  
**ARTS WITH IT**  
**4<sup>TH</sup>YEAR 2<sup>ND</sup> SEMESTER 2016/2017 ACADEMIC YEAR**  
**MAIN CAMPUS- RESIT**

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**COURSE CODE: SCS 427**

**COURSE TITLE: SOCIAL AND PROFESSIONAL ISSUES IN COMPUTING**

**EXAM VENUE: LAB 1**

**STREAM: BED**

**DATE : 04/05/ 2016**

**EXAM SESSION: 9.00 – 11.00 AM**

**TIME: 2.00 HOURS**

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**Instructions:**

- 1. Answer Question ONE (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 [30 MARKS]

- a) Explain the meaning of the following terms.
- i) Cyber stalking (2marks)
  - ii) Cyber bullying (2marks)
  - iii) Computer ethics (2marks)
  - iv) Morals. (2marks)
  - v) Metaethics. (2marks)
- b) Janet and Jane are young women working for the same company. Recently they had an altercation over a social matter. Janet who felt aggrieved by Jane sent an offensive email to Jane using Gmail. Jane also responded using Gmail and copied the entire communication to a large group of colleagues who were not involved in the matter, with the intention of embarrassing Janet.
- i) Ethically speaking, who was in the wrong (1 mark)
  - ii) Legally speaking, who was in the wrong? (1 mark)
  - iii) Explain the mistake(s) of the person/ people in the wrong (4 marks)
  - iv) What advice can you give them on proper use of email in future? (4 marks)
- c) Discuss two negative effects of Facebook to the following:
- i) Employers (2marks)
  - ii) Employees (2marks)
  - iii) Students (2marks)
  - iv) Job seekers (2 marks)
- d) Assuming you are a teacher, give two reasons why you would stop students from chatting using social sites and smart phones in class. (2marks)

### QUESTION TWO [20 MARKS]

- a) Employees need to be monitored at the work place to ensure that they use ICT resources for intended purpose only and do not misuse or abuse them. However, ethically speaking, this has pros and cons.
- i) Explain five ethical benefits of this (5 marks)
  - ii) Explain five ethical problems associated with this. (5 marks)

- b) Explain four ethical and social impacts of information on society. (4marks)
- c) The internet is a double edged sword. Discuss this with regard to the services provided over the internet. (6marks)

**QUESTION THREE [20 MARKS]**

- a) Nyathi is a system administrator in a company call Opuk. In this company, they do not buy software for their computers neither do they use open source software. They prefer to use proprietary software without buying.
  - i) State the technical term used to refer to what they do in this company(2 marks)
  - ii) Explain legal consequences of this mistake (3 marks)
  - iii) Explain the ethical consequences of the mistake. (2 marks)
- b) Explain the meaning of cyber terrorism and discuss its consequences to computer users. (5 marks)
- c) Explain five benefits of telecommunications to the society. (5marks)
- d) State any three disadvantages of mobile money transfer to users (3 marks)

**QUESTION FOUR [20 MARKS]**

- a) With the help of appropriate examples, explain any five disadvantages of copyright infringement using computers. (10marks)
- b) Viruses are malicious software that cause harm or are intended to cause harm to our computers.
- c) Explain five negative effects of computer viruses to the society (5 marks)
- d) Explain five benefits of computer viruses to the society (5 marks)

**QUESTION FIVE [20 MARKS]**

- a) Name four technology trends that raise ethical issues and for each case state its impacts in the society (8 Marks)
- b) When confronted with a situation that seems to present ethical issues, how should you analyze it? State the five-step process that would help you. (5 Marks)
- c) Differentiate Computer Crime and Computer Abuse (4 Marks)
- d) Define the term code of ethics as it relates to professionalism (3 Marks)