



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS**  
**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF ARTS IN**  
**INTERNATIONAL RELATIONS AND DIPLOMACY WITH IT**  
**4<sup>TH</sup> YEAR 2<sup>ND</sup> SEMESTER 2017/2018 ACADEMIC YEAR**  
**(NAIROBI CITY LEARNING CENTRE)**

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**COURSE CODE: SCS 427**

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

**EXAM VENUE:**

**STREAM: I.R**

**DATE:**

**EXAM SESSION:**

**TIME: 2 HOURS**

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**INSTRUCTIONS**

- 1. Answer Question 1 (Compulsory) and ANY other TWO 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) Information technology plays a vital role in enhancing social –economic development of our country. Outliner ways through which ICTs can positively influence national development. **(6 marks)**
- b) Outline the key elements of information systems social ethics **(5 marks)**
- c) Discuss how to prevent Computer Crimes among the society **(4 marks)**
- d) The present generation is said to be living in the information Age, Explain **(5 marks)**
- e) Explain why analogue to digital conversion is needed when computers are used in monitoring and measuring. **(5 marks)**
- f) Many companies use video conferencing instead of face-to-face conferencing. Discuss the advantages and disadvantages of this Technology. **(5 marks)**

### **QUESTION TWO (20 MARKS)**

- a) Distinguish between privacy and confidentiality and explain how nation-states address the apparent conflict between these two factors **(6 marks)**
- b) Explain the concepts of “fair use” in the copyright in cost literary works. Discuss whether or not this concept should be used with computer software **(8 marks)**
- c) Social informatics view ICTs as a social technical network that brings together diverse resources. Explain these elements that make up this social technical network **(6 marks)**

### **QUESTION THREE (20 MARKS)**

- a) Explain what you understand by the term Data Protection Laws **(5 marks)**
- b) Describe at least four types of computer criminals highlighting what types of crime they **(8 marks)**
- c) Define the term digital divide and further explain how this divide can be bridged **(7 marks)**

**QUESTION FOUR (20 MARKS)**

- a) With the help of at least two scenarios describe what is meant by internet **(4 marks)**
- b) In what ways IT can be use useful in the following areas **(6 marks)**
  - i. In business
  - ii. In medicine
  - iii. Computer Science and engineering
- c) Discuss at least three mental health related problems emanating from use of ICTs **(10 marks)**

**QUESTION FIVE (20 MARKS)**

- a) Discuss **FOUR** primary computer ethical issues **(8 marks)**
- b) Explain the difference between copyright and intellectual property in computing **(5 marks)**
- c) Distinguish between ethics and morals in computing **(2 marks)**
- d) With the help of examples explain how privacy can be protected **(5marks)**