



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS

UNIVERSITY EXAMINATION FOR THE DIPLOMA IN HEALTH SCIENCE

1ST YEAR 1ST SEMESTER 2018/2019 ACADEMIC YEAR

KISUMU LEARNING CENTER

COURSE CODE: SCS 2124

COURSE TITLE: IT AND SOCIETY

EXAM VENUE:

STREAM:

DATE:

EXAM SESSION:

TIME:

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 1 [30 marks]

- a) What are the impacts of IT on society? **(4 marks)**
- b) Describe the methods commonly used for verification **(4 marks)**
- c) Differentiate between ethics and law in computer technology **(4 marks)**
- d) Explain three ways how computer technology threaten privacy of our data **(6 marks)**
- e) State any five commandment of computer ethics **(5 marks)**
- f) What do you understand by the term internet filtering? give the preferred methods of choice for internet filtering **(4 marks)**
- g) State some of the examples of biometric devices that a company can deploy to authenticate its employees **(3 marks)**

Question 2 [20 marks]

In the information age, we are faced with cyber threats every single time we are in the internet going about our own activities and one cannot wish them away.

- a) Discuss any five types of threats you are familiar with **(10 marks)**
- b) Based on the examples given in a) above, provide measures that could be employed to deal with them **(10 marks)**

Question 3 [20 marks]

- a) Communication has improved and evolved to facilitate our daily activities. Everything in this century related to communication utilizes technology to disseminate information to a wider audience. Discuss some of the impacts IT has had on communication **(10 marks)**
- b) Social media has resulted in a highly connected society with information being shared rapidly and with much ease. Briefly discuss how social media usage has negatively impacted the society **(10 marks)**

Question 4 [20 marks]

- a) Describe what intellectual property is and briefly explain four strategies that can be used to protect intellectual property **(10 marks)**

- b) Briefly discuss why social media usage in Kenya today is becoming a challenge to social cohesion and integration. **(10 marks)**

Question 5 [20 marks].

- a) Provide examples of laws that are in use to protect citizens from privacy invasion given that technology is now being used to invade personal privacy **(10 marks)**
- b) When discussing ethical and IT professional issues, the key areas are those that relate to the Attitude, Skill and Knowledge of the IT professional. Discuss any five of these issues. **(10 marks)**