JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR DIPLOMA IN COMMUNITY HEALTH AND DEVELOPMENT

1ST YEAR 2ND SEMESTER 2016/2017 ACADEMIC YEAR

MAIN CAMPUS

COURSE CODE: SCS 2124

COURSE TITLE: INFORMATION TECHNOLOGY AND SOCIETY

EXAM VENUE: **STREAM :(Dip. Community Health& Development)**

DATE: **EXAM SESSION:**

TIME: 1 ½ HOURS   **NO. of Student : 70**

INSTRUCTIONS:

1. **Answer Questions 1 (Compulsory) and ANY other Two(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 following terms (10 marks

    i.   Computer ethics

    ii.   Cyber Crime

    iii.   Cyber laws

    iv.   Privacy

    v.   Intellectual Property

b) Explain three ways how computer technology threaten privacy of our data   (6 Marks)

c) State reasons why do need privacy   (6 Marks)

d) State any Four commandments of computer ethics   (4 marks)

e) Highlight Two ways on how information privacy can be protected   (4 marks)

QUESTION TWO (20 MARKS)

a) State and explain any five health issues which can arise from prolonged use of computers. Suggest a solution for each health issue mentioned   (20 marks)

QUESTION THREE (20 MARKS)

a) Adoptions of ICT have evolved into a four-stage process, state and discuss these four-stage processes of ICT adoption in the society.   (10 marks)

b) Name and explain five categories of ICT in the society   (10 marks)

QUESTION FOUR (20 MARKS)

a) State and briefly explain four strategies that can be used to protect intellectual property (8 marks).

b) Highlight reasons why we need intellectual property law.   (6 marks)

c) State reasons for studying IT & Society   (6 marks)

QUESTION FIVE (20 MARKS)

a) Discuss common cyber-safety threats and the problems they can cause   (8 marks)

b) Discuss some of the consequences an organization may face if they fail to take actions to protect their computer systems and Customer personal information.   (8 marks)

c) Computer crimes are on the rise. Outline four ways a user may use to safeguard against computer crime.   (4 marks)