



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF INFORMATION AND INNOVATIVE SYSTEM
BACHOLER EDUCATION ARTS-SCHOOL BASED
SEPTEMBER /DECEMBER 2024
YEAR 4 SEMESTER 1
MAIN CAMPUS**

COURSE CODE: ITB 9408

DATE:6/1/25

COURSE TITLE: IT AND SOCIETY

EXAM VENUE: MAIN STREAM

EXAM SESSION:9-11.00 AM

TIME: 2HOURS

INSTRUCTIONS

- 1. Answer question ONE (compulsory) and any other Two questions.*
- 2. Candidates are advised not to write on the question paper*
- 3. Candidates must hand in their answer booklet to the invigilator while in the examination room*
- 4. No mobile devices (e.g. laptops, phones. etc.) are allowed into the Examination Room*
- 5. This paper consists of three printed pages*

QUESTION ONE (30MARKS)

- a. Define the following terms:
 - i. ICT (2marks)
 - ii. Information (2marks)
- b. Explain three characteristics of five generation computers(6marks)
- c. Write the acronyms in full
 - i. IBM(2ark)
 - ii. ENIAC(2ark)
- d. i) Define social computing(2marks)
ii) Why do we study social computing(2marks)
- e. State three technological components of social computing (3marks)
- f. Explain how ICT is used in the following areas in daily life
 - i. Education (3marks)
 - ii. Banking (3marks)
 - iii. E-commerce (3marks)
- g. State three characteristics of a computer3marks)
- h. Explain three ways of preventing illegal access to systems(3marks)

QUESTION TWO (20 MARKS)

- a. Define the following terms:
 - i. Professional Ethics(2marks)
 - ii. Code of conduct (2marks)
- b. State four negative effects of ICT(4marks)
- c. Define computer ethics (2marks)
- d. Explain four commandments of computer ethics(8marks)
- e. Explain two guidelines on email and internet usage(2marks)

QUESTION THREE (20 MARKS)

- a. Differentiate between computer and computer systems(4marks)
- b. Explain why we need ethics and laws in computing(6marks)
- c. State two similarities between ethics and laws(2marks)
- d. Explain three types of computer security(6marks)
- e. Differentiate between virus and worm(2marks)

QUESTION FOUR (20 MARKS)

- a. Define Intellectual Property(2marks)
- b. State four ways of guarding intellectual property rights(4marks)
- c. Explain three intellectual property protection (6marks)
- d. Define the following:
 - i. Cookies (2marks)
 - ii. Spyware (2marks)
- e. State two examples of Biometric devices (2marks)
- f. Define computer crime(2marks)

QUESTION FIVE (20 MARKS)

- a. State two application software used for calculation in a computer(2marks)
- b. Define the following terms:
 - i. Pornography (2marks)
 - ii. Internet filtration (2marks)
- c. Explain two approaches used to prevent theft in a computer(4marks)
- d. Briefly discuss the role of ICT in political development in Kenya(8marks)
- e. Explain the emerging trends in ICT products and services today(2marks)