



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS
UNIVERSITY EXAMINATION FOR THE DIPLOMA IN HEALTH SCIENCE
1ST YEAR 2ND SEMESTER 2018/2019 ACADEMIC YEAR
KISUMU, KISII CAMPUSES

COURSE CODE: SCS 2124

COURSE TITLE: IT AND SOCIETY

EXAM VENUE:

STREAM:

DATE: 15/08/19

EXAM SESSION: 9.00 – 10.30AM

TIME: 1 ½ HOURS

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) Explain what the term digital divide means. (3 marks)
- b) Describe how computers in IT are applied in the healthcare system. (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 globalization? How has IT facilitated it? (4 marks)
- g) Explain the reasons as to why we require privacy (4 marks)

QUESTION 2 [20 MARKS]

- a) Write what the following do (4 marks)
 - i. Ctrl+B
 - ii. Ctrl+A
 - iii. Ctrl+U
 - iv. Ctrl+I
- (b) State **three** advantages and **three** disadvantages of online shopping (6 marks)
- (c) Describe the following methods of organizing computer files (8 marks)
 - i. Sequential file organization
 - ii. Line-sequential file organization
 - iii. Indexed-sequential file organization
 - iv. Direct or hashed access file organisation
- d) Other than calculations, outline **four** tasks performed by an electronic spreadsheet (2 marks)

QUESTION 3 [20 MARKS]

- a) Communication has improved and evolved to facilitate our daily activities. Discuss some of the impacts IT has had on communication(10 marks)
- b) Social media has evolved to be a core tool form communication however it has its own shortcomings. Discuss how social media usage has negatively impacted the society (10 marks)

QUESTION 4 [20 MARKS]

- a) Highlight **three** advantages and **three** disadvantages of a laser printer **(6 marks)**
- b) Distinguish between the terms “rebooting” and “hanging” as used in computer systems. **(2marks)**
- c) Explain how information communication technology is affecting the following sectors of the society **(6 marks)**
- i. Education
 - ii. Healthcare
 - iii. Government
- d)) Explain the following terms as used in information security **(6 marks)**
- i. Phishing
 - ii. Jamming
 - iii. Sniffing
 - iv. Cyber bullying
 - v. Backup

QUESTION 5 [20 MARKS].

- a) Discuss the examples of laws that are in use to protect citizens from privacy invasion **(10 marks)**
- b) Internet filtering is one of the processes that can be used to prevent access to controversial negative content on the internet. Discuss the methods of choice used to limit the access of controversial content. **(10 marks)**