



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS

**UNIVERSITY EXAMINATION FOR THE BACHELORS OF ACTURAL SCIENCE;
BACHELORS OF EDUCATION SCIENCE; BACHELORS OF EDUCATION
ARTS/SCIENCE/SND; BACHELORS OF BUSINESS ADMINISTRATION**

4TH YEAR 1ST SEMESTER 2018/2019 ACADEMIC YEAR

MAIN, KISUMU, KISII , NAMBALE CAMPUSES

COURSE CODE: SCS 409

COURSE TITLE: ITAND SOCIETY

EXAM VENUE: MAIN CAMPUS

STREAM:

DATE: 07/12/2018

EXAM SESSION: 12.00-2.00PM

TIME: 2.00 HOURS

INSTRUCTIONS:

- 1. Answer Question 1 (Compulsory) and ANY other three 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

Social media is changing our perceptions of ourselves, others, and the world. The present world has technology saturate human beings to the point of “multiphrenia,” a fragmented version of the self that is pulled in so many directions the individual is lost. Descartes could today argue, “I am linked, therefore I am”. Today our society sits here with our tablets and cell phones and electronic gadgets—seduced by the lure of the blue light glow—we have never been more linked, more connected, and more bound to a virtual reality that many of us can no longer live without. Tethered to technology, we are shaken when that world ‘unplugged’ does not signify, does not satisfy. We build a following on Facebook or MySpace and wonder to what degree our followers are friends. We re-create ourselves as online personae and give ourselves new bodies, homes, jobs, and romances.

Discuss this ensuing virtual life under the following topics:

- I. The unreal world: unreal life, unreal self and unreal priorities. (6 marks)
- II. The collective unconscious groups personified (4 marks)
- III. Love in the time of social media (6 marks)
- IV. To disconnect, or not to disconnect (6 marks)
 - v. What are the incentives which encourage people to adopt ICT? (4 marks)
 - vi. How does ICT affect people’s work-life? Does ICT cause improvements? (4 marks)

QUESTION TWO 20 MARKS

We are currently living in the so-called information age which can be described as an era were economic activities are mainly information based (an age of informationalization). This is due to the development and use of technology. The main characteristics of this era can be summarized as a rise in the number of knowledge workers, a world that has become more open - in the sense of communication (global village/Gutenberg galaxy) and internationalization (trans-border flow of data). This paradigm shift brings new ethical and juridical problems which are mainly related to issues such as the right of access to information, the right of privacy which is threatened by the emphasis on the free flow of information, and the protection of the economic interest of the owners of intellectual property.

- a) Discuss ethical questions related to the right to privacy of the individual which is threatened by the use of technology (10 marks)
- b) Provide practical guidelines, based on ethical norms as a solution to issues raised in a) above (10 marks)

QUESTION THREE 20 MARKS

- a) ICT is an important tool for the enhancement of development agendas both nationally and Internationally. Explain how ICT can provide the knowledge needed to enhance development in Kenya as a nation. (8 marks)
- a) Mpesa and now Mkopa are leading examples of possibilities of ICT in accelerating development. From Financial inclusion to affording clean energy to the poor, ICT can be said to be bridging the divide. Others however believe, that it has widened the gap, between the haves and have nots. Those with this view often argue that the mode of design, implementation and evaluation of such projects is often problematic, their

perceived success notwithstanding. With practical example, debate the place of ICT within the development discourse.

(12 marks)

QUESTION FOUR 20 MARKS

Describe how the bank could approach termination of employees' employment, whether through redundancy or for unsatisfactory behaviour, so as to minimize the possibility of information security breaches.

a) Discuss the nature of computer crimes that an E-retailer specializing in electrical consumer goods might face.

(12 marks)

b) Explain what this company might do to protect itself and its customers from criminal activity.

(18 marks)

QUESTION FIVE 20 MARKS

a) Briefly describe how use of ICT affects the following application areas and suggest using relevant examples the ethical implications of ICT in those areas.

(10 Marks)

- i. Jobs
- ii. Education
- iii. Crime and policing
- iv. Retailing
- v. Business
- vi. Money and banking
- vii. Communication

b) How does ICT affect organisational structure? Does ICT encourage centralisation?

(5 marks)

c) Does the web mean we're getting better information than ever?

(5 marks)