

JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS

UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE

IN INFORMATION SYSTEMS

3RDYEAR 1ST SEMESTER 2016/2017 ACADEMIC YEAR

MAIN CAMPUS

COURSE CODE: ICT 3313

COURSE TITLE: ICT POLICY AND INTERNET GOVERNANCE

EXAM VENUE: STREAM: ICT

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 ONE (30 Marks)

- a) Define the following terms
 - i. Internet Governance
 - ii. Policy
 - iii. Domain Name System

(3 Marks)

- **b)** The way the internet is governed will shape the future economic and social developments discuss. (7 Marks)
- c) What is the Uniform Domain-Name Dispute-Resolution Policy, and what are its main strengths and weaknesses? (10 Marks)
- d) What is the role of the Internet Corporation for Assigned Names and Numbers in governance of the Internet, and why has that role been controversial? (5 Marks)
- e) What role does the Internet Engineering Task Force play in Internet governance? (5
 Marks)

QUESTION TWO (20 Marks)

a) Define the concept of Network Neutrality

(2 Marks)

b) Describe the RRR model of internet governance

(4 Marks)

- c) Discussions on internet rights are often limited to arguments around "internet freedom" what are some of the socio cultural issues that arise when you mention internet freedom.

 (4 Marks)
- d) Discuss the internet Governance process, clearly stating the key players and their roles.

(10 Marks)

QUESTION THREE (20 Marks)

- a) Discuss the two approaches for implementing laws online (4 Marks)
- b) Discuss the following legal instruments giving at least four examples for each.
 - i. National and community legal instruments
 - ii. International Legal instruments

(16 Marks)

QUESTION FOUR (20 Marks)

- a) Define:
 - i. Root zone
 - ii. Cyber Crime
 - iii. Data Protection (6 Marks)
- b) Discuss any three Intellectual Property Rights (IPR) related to the internet. (6 Marks)
- c) Should the internet be taxed? Discuss the position of the US and OECD in regard to taxation on internet. (8 Marks)

QUESTION FIVE (20 Marks)

- a) Looking at the economic basket on internet governance define e-Commerce and discuss the four types of e-Commerce.
 (10 Marks)
- **b)** Discuss any three types of TDLs (6 Marks)
- c) While telecom and internet infrastructure is well developed in North America and Europe other regions of the world are less developed. Submarine cables are being installed at various underserved regions, while small remote islands rely on inexpensive satellite connectivity. Discuss what can be done to resolve issue related to local traffic remaining local.
 (4 Marks)