



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 AND COMMUNICATION TECHNOLOGY

4TH YEAR 1ST SEMESTER 2018/2019 ACADEMIC YEAR

COURSE CODE: ICT 3415

COURSE TITLE: ICT POLICY & STRATEGIES

EXAM VENUE:

STREAM: (ICT)

DATE:

EXAM SESSION:

TIME: 2.00 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 ONE (30 MARKS)

- a. Globally, IT has become ubiquitous and is almost a key driver in every sector. There are however, contrasting policy issues as regards to the different countries (developed and developing). Identify SIX *Contrasting ICT Policy Issues* for the developed and developing countries. 6 Marks
- b. Assuming that you have been contracted to formulate an IT policy document for an organization. Highlight at least SIX key focus areas, specific issues in internet policy and regulation. 3 Marks
- c. Briefly discuss the need for ICT and internet policies and explain why as citizens, we should care about them. 9 Marks
- d. As an IT expert, you are called upon to come up with an IT strategic plan. 12 Marks
 - i. explain IT strategic plan
 - ii. Identify seven components which make IT strategic plan work
 - iii. Briefly explain each

QUESTION TWO: 20 MARKS

- a. Draw the ICT Strategy Pyramid and briefly explain each level of pyramid hierarchy. 8 Marks
- b. Briefly explain why you need to use indicators in ICT strategies. 6 Marks
- c. Explain the role of Assessment in ICT strategy 6 Marks

QUESTION THREE: 20 MARKS

- a. By use of schematic diagram explain Strategic Planning Approach. 12 Marks
- b. **E-readiness assessment** is fundamental in ICT strategies, exhaustively explain what it entails and its key role. 8 Marks

QUESTION FOUR: 20 MARKS

- a. Explain the role of indicators as applied to ICT strategies; identify FOUR key indicators in reference to ICT Strategy Pyramid. 8 Marks
- b. Identify and briefly explain each of the TWO sets of issues in ICT policy which are critical to civil society at the moment 8 Marks
- c. Globalization is a historical reality, not just a catch phrase. ICTs have been a fundamental part of this process. Briefly discuss 4 Marks

QUESTION FIVE: 20 MARKS

Briefly explain each of the following as they apply to ICT strategies and the key roles.

20 Marks

- i. Consultation plan
- ii. Strategic plan
- iii. Action plan for implementation
- iv. Institutional mechanisms for implementation and supervision
- v. Monitoring and evaluation mechanisms