



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY UNIVERSITY EXAMINATIONS

FOURTH YEAR FIRST SEMESTER EXAMINATION FOR BACHELOR IN EDUCATION

SCIENCE AND ARTS WITH IT

SCHOOL BASED

SCS 409: INFORMATION TECHNOLOGY AND SOCIETY

TIME: 2 HOURS

Instructions:

- I. This paper contains **Five** questions
- II. Question one is compulsory
- III. Answer any other two questions

QUESTION ONE

- a) Discuss the historical evolution of computers (6 Marks)
- b) Describe the indicators of digital divide in a society (6 Marks)
- c) Describe the following ways of protecting Intellectual property rights
 - i). Intellectual property (2 Marks)
 - ii). Copyright (2Marks)
- d) State the guidelines to be adopted when developing ICT policies in an organization (8 Marks)
- e) The advent of computer has led to lack human skills and judgment. Justify this statement (6 Marks)

QUESTION TWO

Business enterprises hold key vital information touching on their stakeholder privacy and it is their mandate to protect this.

- a) Explain situations where the use of ICT may affect the privacy of an individual (10 Marks)
- b) How would a fully functioning ICT integrated business enterprise protect his/her clients in the above situations (10 Marks)

QUESTION THREE

- a) Computer crime are on the rise. Discuss **FIVE** ways an enterprise may use to safeguard against computer crime (10 Marks)
- b) i) Define Risk identification (2 Marks)
ii) Describe the **FOUR** risk identification tools and techniques used in a business enterprise (8 Marks)

QUESTION FOUR

- a) Describe the indicators of digital divide in a society (10 Marks)
- b) Give reasons why it important to have ICT policy in an organization (10 Marks)

QUESTION FIVE

- a) Describe some of the measures a business enterprise may put in place to ensure its business continuity in the event of a disaster (11 Marks)
- b) Describe the following ways of protecting Intellectual property rights
 - iii). Trade secret (3 Marks)
 - iv). Copyright (3 Marks)
 - v). Patents (3 Marks)

-----END-----