



TECHNICAL UNIVERSITY OF

MOMBASA

FACULTY OF APPLIED AND HEALTH SCIENCES
DEPARTMENT OF ENVIRONMENT & HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR:
BACHELOR OF SCIENCE IN COMMUNITY HEALTH

APH 4407: HEALTH INFORMATICS SYSTEM

BSCH/21S YEAR 4 SEMESTER 2

END OF SEMESTER EXAMINATION

SERIES: August 2024

TIME: 2HOURS

DATE: Pick Date **AUG** 2024

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **FIVE** Question(s). Attempt question ONE (Compulsory) and any other TWO questions.

Do not write on the question paper.

SECTION A (Answer all the Questions)

(30 Marks)

QUESTION ONE

- Outline any Three (3) Ways that technology affects health related activities (3 Marks)
- List Three (3) Community health informatics stakeholders (3 Marks)
- Describe three (3) Ethical issues arising in Community health informatics (3 Marks)
- Enumerate Four (4) ways in which the mobile apps are helping improve health outcomes in the Kenyan context. (4 Marks)
- Explain Three (3) Sources of data available for the Ministry of Health with regards to Community health in Kenya (3 Marks)
- Outline the processes undertaken when building a Community health informatics system (6 Marks)
- Enumerate Four (4) barriers to interoperability in Health Care (4 Marks)

SECTION B: (Answer only TWO Questions)

(40 Marks)

QUESTION TWO

Describe the emerging role of informatics in enhancing Community health (20 Marks)

QUESTION THREE

Discuss the dimensions of data quality in Community health informatics. (20 Marks)

QUESTION FOUR

Describe the data sources and technology in current use to support public health surveillance, epidemiologic investigations, and disease prevention activities. (20 Mark)

QUESTION FIVE

Briefly discuss how eHealth tools have helped improve health and healthcare. (20 marks)