



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

Supplementary/Special Examination

Series: November 2024

Time: 2 hours

DATE: Pick Date November 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 Three roles of local level health information systems (3 Marks)
- State three (3) categories information system (3 Marks)
- Highlight four (4) Questions which Community and institutional based sources can address (4 Marks)
- Outline the role of Community health informatics in epidemiologic activities (5 Marks)
- Explain FIVE (5) challenges faced in the use of mHealth applications (5 Marks)
- Outline any five (5) ways that technology affects health related activities. (5 Marks)
- Enumerate the five (5) Benefits of informatics to the field of Community health. (5 Marks)

SECTION B: (Answer only TWO Questions)

(40 Marks)

QUESTION TWO

Discuss eHealth tools for patients and professionals (20 Marks)

QUESTION THREE

Discuss the laws and regulations governing digital health in Kenya. (20 Marks)

QUESTION FOUR

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

QUESTION FIVE

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