



"Investing in Africa's Future"
COLLEGE OF HEALTH, AGRICULTURE & NATURAL SCIENCES

SHI 500 HEALTH INFORMATICS PAPER 2

END OF SECOND SEMESTER EXAMINATIONS

April/ May 2019

LECTURER: DR. T. SIMBINI

DURATION: 3 HOURS

INSTRUCTIONS

Answer **All** Questions in Section A and **ANY Two (2)** Questions From Section B

Use Answer Sheets Provided

Begin your answer for Each Question on a New Page

Credit is Given for Neat Presentation

SECTION A: Answer ALL Questions

QUESTION 1

In the continuum of citizens seeking health care services, being attended to, continuous monitoring and payment of services, how can citizens benefit from electronic health system?
(25)

QUESTION 2

How do fragmented health care systems impact on patient care? (25)

SECTION B: Answer Any Two Questions

QUESTION 1

How can mobile health tools enhance public health effectiveness? (25)

QUESTION 2

Describe the limitations to big data utilisation in a health care setting? (25)

QUESTION 3

As a public health practitioner describe the electronic tools you would need for real-time decision support in communicable disease outbreaks like cholera? (25)

QUESTION 4

As a public health practitioner describe the electronic tools you would need to support the control of non-communicable diseases (cancers, diabetes, and hypertension) of public health importance. (25)