"Investing in Africa's Future"

(COLLEGE OF HEALTH AGRICULTURE AND NATURAL SCIENCES)

SHI 500: HEALTH INFORMATICS

END OF FIRST SEMESTER EXAMINATIONS

NOVEMBER/DECEMBER 2017

LECTURER: (DR. T. SIMBINBI)

DURATION: (3 HRS)

INSTRUCTIONS

ANSWER BOTH QUESTIONS IN SECTION A; AND ANY TWO (2) FROM SECTION B

THE MARK ALLOCATION FOR EACH QUESTION IS INDICATED AT THE END OF THE QUESTION

CREDIT WILL BE GIVEN FOR LOGICAL, SYSTEMATIC AND NEAT PRESENTATION

SECTION A – ANSWER ALL QUESTIONS

1. Define the different disciplines in health informatics and their applications. (25)

2. Discuss the role of mobile applications in improving health care service delivery. (25)

SECTION B – CHOOSE ANY TWO

1. Describe any health informatics applications you are aware of in Zimbabwe and what is required for successful implementation of e-Health in the country. (25)

2. Define the Information Age, how it has transformed human civilisation and how this has impacted on health service delivery. (25)

3. Answer all parts of this question
   a. Define e-waste and how it has affected health in developing countries. (10)
   b. Define how electronic systems can enhance the continuum of care (15)

4. Define enterprise architecture and how this can optimise quality of care (25)

5. Discuss Internet of Things, implementation in health and the use of wearable devices (25)

6. Discuss data mining in the healthcare industry with particular emphasis on public health (25)

7. Discuss how the Limpopo Health Informatics project has taught us on successful implementation of health informatics projects. (25)

END OF PAPER