



“Investing in Africa’s future”

COLLEGE OF HEALTH AGRICULTURE & NATURAL SCIENCE

SPH 546: COMMUNICABLE DISEASES

2019 SUPPLEMENTARY EXAMINATION

LECTURER: DR M. MUKUZUNGA

DURATION: 3 HRS

INSTRUCTIONS

Answer **any 4 (four)** questions

All questions carry equal marks (25).

DO NOT repeat material.

Write legibly.

QUESTION 1

You are the district epidemiologist for a Mombeyedu District and one of your clinics reports that they have crossed the alert line on the malaria threshold level values (TLVs).

- a. Discuss your plan of action [15]
- b. You confirm a malaria outbreak, what are your intervention options and the context they would be appropriate. [10]

QUESTION 2

The former President of the Republic of South Africa Thabo Mbeki is vilified for his views about HIV, which unfortunately both denied and delayed access to anti-retroviral therapy in South Africa for those affected. However, it is true that HIV is a social disease as much as it is a viral infection. Discuss this statement. [25]

QUESTION 3

The low to medium income countries are besieged by a double burden of communicable and non-communicable diseases.

- c. Discuss with examples how communicable diseases are drivers of non-communicable diseases in these countries [15]
- d. Discuss with examples why these same countries are also afflicted by emerging and re-emerging diseases [10]

QUESTION 4

Define and explain the concept of micro-epidemic giving examples and discuss their relevance to disease prevention and control. Relate this to HIV. [25]

QUESTION 5

Tuberculosis is a second prison sentence to all those incarcerated, discuss why this is the status quo. What are the remedies? [25]

QUESTION 6

Discuss the use of vaccines in the context of diarrhoeal diseases. [25]