



W1-2-60-1-6

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY
UNIVERSITY EXAMINATIONS 2018/2019
YEAR 1 SEMESTER 1 EXAMINATIONS**

**TPH 3116: CONTROL AND PREVENTION OF COMMUNICABLE AND NON
COMMUNICABLE DISEASES**

DATE: SEPTEMBER 2019

TIME: 3 HOURS

INSTRUCTIONS: ANSWER ANY FOUR QUESTIONS

All questions carry equal marks (25 marks)

Q1.a) Discuss briefly the epidemiology and transmission of human *Schistosoma haematobium* and *Schistosoma mansoni* (15 marks).

b) Describe the different methods used in the management and control of Schistosomiasis (10 marks).

Q2. In the event of an outbreak of Cholera in an urban area, discuss the various methods used for managing and containing the spread of the disease (25 marks).

Q3. Discuss four different methods of controlling viral haemorrhagic fever in a population (25 marks).

Q4. a) Discuss the factors that have led to the increase in non-communicable diseases in Kenya (10 marks).

b) Describe possible strategies that would help in mitigating this trend in Kenya (15 marks).

Q5.a) Cardiovascular diseases are a major cause of mortality globally. Describe the risk factors for cardiovascular diseases and their prevention strategies (18 marks).

b) Tobacco is a major risk factor for the non-communicable diseases. Explain the prevention strategies for the control of tobacco use in Kenya (7 marks).

Q6. Cancers are accounting for 5% of global burden of diseases. With references to Kenya, discuss the epidemiology, diagnosis, treatment and prevention strategies for cancer of the cervix (25 marks).