



WI-2-60-1-6

JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY
University Examinations 2023/2024

EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE IN
EPIDEMIOLOGY AND BIostatISTICS

PEH 3110: EPIDEMIOLOGY OF INFECTIOUS DISEASES

DATE: DECEMBER, 2023

TIME: 3 HOURS

INSTRUCTIONS: Answer ANY Four Questions – 25 Marks Each

QUESTION ONE

- a) Describe the general characteristics of viral haemorrhagic fevers **(12 marks)**
- b) Explain the challenges faced in controlling viral haemorrhagic fevers **(13 marks)**

QUESTION TWO

- a) Describe the distribution of Ebola virus disease globally **(12 marks)**
- b) Discuss the prevention and control measures for Ebola Virus Disease **(13 marks)**

QUESTION THREE

- a) Describe the aetiology of three diseases caused by coronavirus which have emerged in recent years **(12 marks)**
- b) Explain the diagnosis of MERSCoV Disease **(13 marks)**

QUESTION FOUR

Discuss the epidemiology of tuberculosis and the challenges in prevention and control **(25 marks)**

QUESTION FIVE

- a) Discuss the clinical presentation of meningitis infection **(10 marks)**
- b) Briefly describe the epidemiology of filariasis **(15 marks)**

QUESTION SIX

- a) Describe the components of an effective disease early warning system **(12 marks)**
- b) Discuss the challenges of implementing an early warning system **(13 marks)**

