

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)



CONTRACTOR OF STREET, STREET,

the control of the second of t

THE RESERVE OF THE PARTY OF THE

the contract of the product of the contract of

in the court of the state of th

arada er e energene på herett tillhille erde e endrik tillhille tillhille. Hilliand tillhille tillhille tillhi Frakting 1919 energene tillhille tillhille tillhille tillhille tillhille tillhille tillhille tillhille tillhil

A الموادر والمراوية في الموسود والشاولة الأوادة والمسودة و المسودة و

Name of the Land

The contract of the contract o

Processing of the commences of medicals extension games and the commence of the comments of th

and the little from

magayar galarının. gilinin yaşımlığı yaşığığılığı — tilin ilkinin derili didir. Albanini (b. 1994). İstinadiye (b. 1994).

instruction that the manufacture of the continue of the continue will be an included by the continue will be a