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**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND
TECHNOLOGY**

UNIVERSITY EXAMINATIONS 2023/2024

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

PEH 3110: EPIDEMIOLOGY OF INFECTIOUS DISEASES

DATE: MAY/JUNE 2024

TIME: 3 HOURS

INSTRUCTIONS: ANSWER ANY FOUR QUESTIONS

QUESTION ONE

- a) Explain the historical background of Rift Valley Fever **(12 marks)**
- b) Describe the transmission of Rift Valley Fever **(13 marks)**

QUESTION TWO

- a) Describe the symptoms of uncomplicated Dengue fever **(12 marks)**
- b) Explain the signs of Dengue fever that the health care providers should look out for in patients who transition to Severe Dengue Fever **(13 marks)**

QUESTION THREE

- a) Discuss the health complications that may arise following infection with COVID-19 virus **(12 marks)**
- b) Explain how to prevent COVID-19 in a country **(13 marks)**

QUESTION FOUR

- a) Describe the transmission dynamics of malaria **(13 marks)**
- b) Describe the risk factors, prevention and control of Schistosomiasis **(12 marks)**

QUESTION FIVE

Describe the process of conducting a human health risk assessment **(25 marks)**

QUESTION SIX

Describe the epidemiology of Yellow fever **(25 marks)**