



*(Knowledge for Development)*

**KIBABII UNIVERSITY**

**UNIVERSITY EXAMINATIONS  
2020/2021 ACADEMIC YEAR**

**FOURTH YEAR FIRST SEMESTER  
MAIN EXAMINATIONS**

**FOR THE DEGREE OF BACHELOR OF BIORESOURCE  
CONSERVATION AND MANAGEMENT**

**COURSE CODE: SBC 414**

**COURSE TITLE: WILDLIFE DISEASE AND ECOTOXICOLOGY**

**DATE:** Monday 19<sup>th</sup> July, 2021.

**TIME:** 8:00 – 10:00 a.m.

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**INSTRUCTIONS TO CANDIDATES**

Answer Question one (1) and any other two (2) Questions. Question one is compulsory and carries 30 marks, the other Questions carry 20 marks each.

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over



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**KIBU observes ZERO tolerance to examination  
cheating**

1. [i] Define

(a) Vaccination

(b) Immunization

(c) Microparasites

(d) Exogenous agents

[4mks]

[ii] How do nocturnal insect pests locate their wildlife hosts? [3mks]

[iii] Briefly describe how habitat modification has been used to control brucellosis in wildlife [3mks]

[iv] Differentiate between pandemic and epidemic in disease surveillance [3mks]

[v] How is wildlife population density management for diseases achieved [4mks]

[vi] Explain the ecological advantages of biocides to the environment (6mks).

[vii] Illustrate the role of researchers in developing wildlife disease control policies [4mks]

[viii] Enumerate three measures that should be enforced to protect wildlife [3mks]

2. Describe the tuberculin test [20 marks]

3. Describe the impact of increased human population factors on wildlife [20 marks]

4. Discuss the prevention and control measures of wildlife diseases in the ecosystem [20 marks]

5. Write an essay on forms of transmission zoonotic diseases in wildlife [20 marks]