

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

FIRST YEAR EXAMINATION FOR THE AWARD
OF CERTIFICATE IN ANIMAL HEALTH AND PRODUCTION

ANHE 00122: VETERINARY MICROBIOLOGY

STREAMS: CERT. ANHE

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 06/12/2017

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS: ANSWER ALL QUESTIONS IN SECTION A AND ANY THREE IN SECTION B

SECTION A (40 MARKS)

1. Define the following terms as used in microbiology. [6 marks]
 - (a) Mycosis
 - (b) Antibiotic
2. List 4 diseases affecting poultry caused by viruses. [5 marks]
3. List 4 general characteristics of Bacillus. [4 marks]
4. Briefly discuss the procedure of acid fast staining. [5 marks]
5. Briefly discuss the difference between superficial and systemic mycosis giving an example of each. [6 marks]
6. List 4 stains that can be used to stain bacteria. [4 marks]
7. List 5 species of Clostridium of veterinary importance. [5 marks]
8. List the Koch's postulates and give its significance in microbiology. [5 marks]

SECTION B (30 MARKS)

9. Differentiate in detail Prokaryotes and Eukaryotes giving an example of each. [10 marks]
10. Discuss in details 5 methods of disinfection used in microbiology. [10 marks]

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11. Discuss mycoplasma under the following subheadings
- (a) General characteristics [3 marks]
 - (b) 2 species of veterinary importance and disease they cause [4 marks]
 - (c) Control of one of the disease in b above [3 marks]
12. Discuss the steps involved in viral infection. [10 marks]
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