

CHUKA



UNIVERSITY

Knowledge is Wealth (*Sapientia divitia est*) Akili ni Mali

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BOTA 131: GENERAL MICROBIOLOGY: RESIT

Section A. Answer all the questions

1. Outline the criteria for the germ theory of disease as developed by Robert Koch 5mks
2. Give the different shapes exhibited by spherical bacteria 5mks
3. a). List three characteristics used in viral classification 3mks
b) State two components of viruses 2mk
4. Explain the common methods of culturing microorganisms in the laboratory 5mks
5. Explain heat as an agent of microbial control 5mks
6. Outline the characteristics of bacteria growing in batch culture during their log phase 5mks

Section B. Answer two questions

7. Describe the general applications of microorganisms in the present day life (20mks)
8. Discuss the biotechnology products obtained from microbial fermentation (20mks)
9. Discuss the factors that have contributed to the emergence and re-emergence of infectious diseases (20mks)