

**W1-2-60-1-6**

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2020/2021**

**END OF SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN PUBLIC HEALTH**

**AFS 2201: MICROBIOLOGY I**

**DATE: APRIL 2021 TIME: 2 HOURS**

INSTRUCTIONS: ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER ONE QUESTION

**QUESTION ONE: 48 MARKS**

a. Discuss the economic importance of microbiology. (6 marks)

b. Explain the bacteria growth. (6 marks)

c. highlight on how to identify bacteria. (6 marks)

d. Explain how virus replicate. (6 marks)

e. Describe ways of preventing microbial infections. (6 marks)

f. Explain chemotherapy of infectious diseases. (6 marks)

g. Describe the types of agents used in the control of microorganisms. (6 marks)

h. Describe the Life cycle of fungi. (6 marks)

**QUESTION TWO: 22 MARKS**

Discuss the structure of bacterial.

**QUESTION THREE: 22 MARKS**

Discuss how resistance to drugs arises.

**QUESTION FOUR: 22 MARKS**

Discus ways of preventing drug resistance.