

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF MASTER OF SCIENCE IN BOTANY (PLANT PATHOLOGY)

MICB 832: MICROBIAL PHYSIOLOGY

STREAMS: MSC (MICB)

TIME: 3 HOURS

DAY/DATE: TUESDAY 06/04/2021

8.30 A.M. – 11.30 A.M.

INSTRUCTIONS: ANSWER ANY THREE QUESTIONS

1. (a) Explain classification of bacteria based on oxygen requirement [6 marks]
 - (b) Describe properties of viruses [6 marks]
 - (c) Discuss economic importance of Algae [8 marks]
 2. Describe photosystem mechanism in photosynthetic bacteria [20 marks]
 3. Discuss nutrients requirements for microbial activity [20 marks]
 4. Discuss applications of microbial secondary metabolites [20 marks]
 5. Describe in details, different types of microbial fermentation [20 marks]
-