



W1-2-60-1-6

JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY
UNIVERSITY EXAMINATIONS 2019/2020
EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE IN MEDICAL
MICROBIOLOGY
TMM 3103: MICROBIAL GENETICS

DATE: FEBRUARY, 2020

TIME: 3 HOURS

INSTRUCTIONS: ANSWER ANY FOUR QUESTIONS

1. Discuss how sequencing technology is applied to solve biological questions. (25 marks)
2. Discuss the DNA fingerprinting technology. (25 marks)
3. Discuss the most important concerns scientists encounter with regard to application of genetic engineering in the world today. (25 marks)
4. Discuss troubleshooting techniques with regard to DNA amplification. (25 marks)
5. Discuss applications fo biotechnology in the field of medicine. (25 marks)
6. Isolation of RNA is very specialized. Discuss. (25 marks)