



FACULTY OF APPLIED SCIENCES
Rajarata University of Sri Lanka

Bachelor of Science Honours in Microbiology
Fourth Year Semester I Examination – July/August 2023

MIB4202 – MEDICAL MICROBIOLOGY

Time: Two (02) hours

Answer ALL questions.

1. Design a study protocol for proving the causative pathogen of impetigo, (a skin disease), using the Koch's postulates. **(100 marks)**
2. Discuss the 'good' and 'bad' effects of normal microbiota of the human body. **(100 marks)**
3. a. Classify the human infections caused by *Staphylococcus aureus*, based on the sites of infections. **(50 marks)**
b. Describe how you would arrive at an aetiological diagnosis of one of the mentioned infections. **(50 marks)**
4. Evaluate the possibility of developing prevention strategies based of the modes of transmissions of infectious organisms. **(100 marks)**