

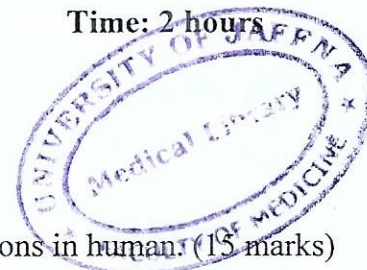
UNIVERSITY OF JAFFNA, SRI LANKA
FACULTY OF ALLIED HEALTH SCIENCES
SECOND YEAR FIRST SEMESTER EXAMINATION IN BScHons (MLS) – 2022
MLSMB 2133 MEDICAL BACTERIOLOGY

PAPER II

Date: 15.12.2023

Time: 2 hours

ANSWER ALL SIX QUESTIONS.



1.

1.1 Name three-gram positive anaerobic bacilli which cause infections in human. (15 marks)

1.2 Briefly describe the infections caused by each of the bacteria you mentioned in 1.1. (30 marks)

1.3 List the laboratory methods used to identify the infections mentioned in 1.2. (20 marks)

1.4

1.4.1 List the infections caused by gram negative cocci. (20 marks)

1.4.2 Name the specimens that could be collected in each of the infection mentioned in 1.4.1. (15 marks)

2. List the infections caused and briefly describe the respective laboratory tests for the diagnosis of the following organisms

2.1 *Pseudomonas aeruginosa* (50 marks)

2.2 *Haemophilus influenzae* (50 marks)

3.

3.1 Briefly describe the infections caused by *Staphylococcus aureus*. (30 marks)

3.2 Briefly explain the clinical importance of coagulase negative staphylococci. (30 marks)

3.3 Describe the tube coagulase test. (40 marks)

- 4.
- 4.1 Name the bacteria which cause typhoid fever. (10 marks)
- 4.2 Briefly describe the pathogenesis of typhoid fever. (30 marks)
- 4.3 Briefly describe the laboratory tests used to diagnose the typhoid fever. (30 marks)
- 4.4 Briefly describe the measures to prevent typhoid fever. (30 marks)

5. Discuss the mode/s of transmission, and the laboratory tests for the diagnosis of the following organisms.

- 5.1 *Burkholderia pseudomallei* (40 Marks)
- 5.2 *Mycobacterium tuberculosis* (30 Marks)
- 5.3 *Treponema pallidum* (30 Marks)

6. Write short notes on

- 6.1 Post streptococcal sequele (35 Marks)
- 6.2 *Mycoplasma pneumonia* (35 Marks)
- 6.3 Rocky mountain spotted fever (30 Marks)

