



UNIVERSITY OF JAFFNA, SRI LANKA
FACULTY OF ALLIED HEALTH SCIENCES
First Year Second Semester Examination BScHons (Nursing) 2023/Proper 18th Batch

NURMP 1223 MICROBIOLOGY AND PARASITOLOGY - PAPER II

Date: 19.06.2025

Time: 2 hours

ANSWER ALL QUESTIONS

Answer part A and B in separate answer booklets

PART A

1.
 - 1.1.
 - 1.1.1. Define the terms "Sterilization" and "Disinfection." (20 Marks)
 - 1.1.2. Enumerate the physical methods of sterilizations with examples. (30 Marks)
 - 1.2.
 - 1.2.1. Name two (02) bacteria which cause nosocomial infection. (10 Marks)
 - 1.2.2. Briefly explain the mode of transmission of each bacterium which you mentioned in 1.2.1. (20 Marks)
 - 1.2.3. Briefly describe the preventive measures to minimize Nosocomial infection. (20 Marks)
2.
 - 2.1. List two (02) most common arboviral infections in Sri Lanka. (10 Marks)
 - 2.2. Describe the pathogenesis of any one (01) infection which you mentioned in 2.1. (30 Marks)
 - 2.3. Explain the preventive measure would be taken to control arboviral infections. (40 Marks)
 - 2.4. Write brief notes on "viral replication cycle". (20 Marks)
3. Write brief on the following diseases including the causative organism, mode of transmission and preventive measures;
 - 3.1. Gonorrhoeae (25 Marks)
 - 3.2. Tuberculosis (25 Marks)
 - 3.3. Pneumococcal pneumonia (25 Marks)
 - 3.4. Enteric fever (25 Marks)

4.

- 4.1. What is meant by "Immunity". (20 Marks)
- 4.2. Briefly describe active and passive immunity with suitable examples. (40 Marks)
- 4.3. Briefly outline the recommended vaccination for a female child from birth in Sri Lanka according to the National Immunization Schedule. (40 Marks)

PART B

5. Cutaneous leishmaniasis is common in Sri Lanka and mostly affects the North-central and Southern parts of the country.

- 5.1. Name the parasite which causes Cutaneous leishmaniasis. (10 Marks)
- 5.2. Name the infective stage and diagnostic stage of the parasite mentioned in 5.1 (10 Marks)
- 5.3. Outline the life cycle of the parasite which you have mentioned in 5.1 (40 Marks)
- 5.4. Describe the preventive measures taken to control the above infection. (40 Marks)

6.

6.1. Name the intestinal nematodes associated with the following clinical manifestations.

- 6.1.1. Anaemia (10 Marks)
- 6.1.2. Perianal pruritus (10 Marks)
- 6.1.3. Strongyloidiasis (10 Marks)

6.2. Describe how would you advise the patient to control the infection mentioned in 6.1.2. (30 Marks)

6.3. Write notes on first-aid management of snake bite. (40 Marks)