



**UNIVERSITY OF JAFFNA, SRI LANKA
BACHELOR OF SCIENCE IN NURSING
FIRST YEAR SECOND SEMESTER EXAMINATION –APRIL 2020**

NURMP 1284 MICROBIOLOGY & PARASITOLOGY - PAPER II

Date: 06.10.2020

Time: 2 hours

ANSWER ALL SIX QUESTIONS.

Answer part A and B in separate answer booklets

PART A

1.
 - 1.1. Briefly describe five (5) different ways of transmission of microorganisms from one person to another person with examples for each. (60 Marks)
 - 1.2. Briefly describe the preventive measures by which the transmission of microorganisms mentioned in 1.1 could be prevented. (40 Marks)

2.
 - 2.1. Define the term acquired immunity. (10 Marks)
 - 2.2. Differentiate active acquired immunity with that of passive acquired Immunity. (40 Marks)
 - 2.3. Write an account on “Innate immunity”. (50 Marks)

3. Write notes on:
 - 3.1. Dermatophytosis (25 Marks)
 - 3.2. Viral gastroenteritis (25 Marks)
 - 3.3. Structure of bacterial cell wall (25 Marks)
 - 3.4. Killed vaccines (25 Marks)

- 4.
- 4.1.
- 4.1.1. Name five (5) pathogens which cause urinary tract infection. (20 Marks)
- 4.1.2. Briefly describe how you would instruct a female patient to collect urine sample for culture. (20 Marks)
- 4.2. What is meant by nosocomial infections. (10 Marks)
- 4.3. Name three (3) bacteria which cause nosocomial infections. (15 Marks)
- 4.4. Briefly describe the preventive measures that could be taken to prevent nosocomial infections in a pediatric ward. (35 Marks)

PART B

5. Outline the mode of transmission and the preventive measures to be taken for the following parasitic diseases:
- 5.1. Malaria (25 Marks)
- 5.2. Cutaneous leishmaniasis (25 Marks)
- 5.3. Amoebiasis (25 Marks)
- 5.4. Trichomoniasis (25 Marks)
- 6.
- 6.1. List the parasitic nematodes which can cause infections in human intestinal System. (35 Marks)
- 6.2. Briefly outline the major clinical consequences of the parasitic infections which you have mentioned in 6.1. (65 Marks)