

UNIVERSITY OF JAFFNA, SRI LANKA
FACULTY OF ALLIED HEALTH SCIENCES
First Year Second Semester Examination in BScHons (Nursing) - 2020

NURMP 1284 MICROBIOLOGY & PARASITOLOGY - PAPER II

Date: 02.09.2022

Time: 2 hours

ANSWER ALL SIX QUESTIONS.

Answer Part A & B in Separate booklets

Part A

1.
 - 1.1. Define the terms sterilization and disinfection. (10 Marks)
 - 1.2. Describe the different methods of Heat sterilization. (60 Marks)
 - 1.3. Write notes on chemical disinfectants. (30 Marks)

2.
 - 2.1. Name five pathogens which cause diarrhea (20 Marks)
 - 2.2. Briefly describe collection and transport of stool sample for bacterial culture. (30 Marks)
 - 2.3. Define the term "nosocomial infection". (10 Marks)
 - 2.4. Describe the aseptic practices you would take to control nosocomial infection. (40 Marks)

3.
 - 3.1. Name five herpes viruses and list the diseases caused by each of the virus. (25 Marks)
 - 3.2. List the hepatitis viruses (10 Marks)
 - 3.3. Briefly describe source and the mode of transmission of each virus you mentioned in 3.2. (30 Marks)
 - 3.5. Briefly describe the specific virological tests available to diagnose each of hepatitis viral infection. (35 Marks)

4. Write notes on the following:
 - 4.1. Dermatophytosis (40 Marks)
 - 4.2. Active acquired immunity (30 Marks)
 - 4.3. Antimicrobial resistance (30 Marks)

Part B

5.
 - 5.1. Briefly explain the patient preparation and sample collection methods of:
 - 5.1.1. *Trichomonas vaginalis* (35 Marks)
 - 5.1.2. *Ascaris lumbricoides* (35 Marks)
 - 5.2. Outline the treatment methods for following parasitic infections.
 - 5.2.1 Pin worm infection (15 Marks)
 - 5.2.2 Leishmaniasis (15 Marks)
6.
 - 6.1. Outline the preventive measures to be taken for the following parasitic disease.
 - 6.1.1 Hook worm infection (30 Marks)
 - 6.1.2 Malaria (30 Marks)
 - 6.2. Write short notes on intestinal amoebiasis. (40 Marks)