



UNIVERSITY OF JAFFNA, SRI LANKA  
BACHELOR OF PHARMACY

FIRST YEAR SECOND SEMESTER EXAMINATION – APRIL 2020

PHABMP 1264 BASIC MICROBIOLOGY AND PARASITOLOGY

PAPER II

<sup>10</sup>  
Date: 06.09.2020

Time: 2 hours

ANSWER ALL SIX QUESTIONS.

ANSWER PARTS A AND B IN SEPARATE ANSWER BOOKS

PART A

1.

- 1.1 Briefly describe five different ways of transmission of microorganisms from one person to another person with examples. (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 terms “sterilization” and “disinfection”. (20 Marks)
- 2.2 Briefly describe four methods of sterilization with examples. (60 Marks)
- 2.3 Write notes on disinfectants. (20 Marks)

3. Write notes on

- 3.1 Live attenuated vaccines (25 Marks)
- 3.2 Type IV hypersensitivity (25 Marks)
- 3.3 Superficial fungal infections (25 Marks)
- 3.4 Bacteriological culture media (25 Marks)



- 4.
- 4.1 Briefly describe three mechanisms by which antibiotics acts on a bacterial cell. **(40 Marks)**
  - 4.2 Briefly describe CLSI method (Kirby Bauer) of disk diffusion method **(30 Marks)**
  - 4.3 Write an account on antibiotic resistance in bacteria **(30 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)**