

UNIVERSITY OF JAFFNA, SRI LANKA

BACHELOR OF PHARMACY

FIRST YEAR SECOND SEMESTER EXAMINATION – Jan 2013

PHABMP 1205 Basic Microbiology and Parasitology

PAPER II

Date:08.02.2013.

Time: 2 hours.

Answer all questions.

1. Write short notes on:
 - 1.1 Mobile genetic elements and their importance in bacteria. (35 marks)
 - 1.2 The role of antibodies in immune response. (35 marks)
 - 1.3 Waterborne infections. (30 marks)

2.
 - 2.1 Describe briefly the structure of bacterial cell as a target of antibiotics. (30 marks)
 - 2.2
 - 2.2.1 Name five live attenuated and five killed vaccines available in Sri Lanka. (20 marks)
 - 2.2.2 Discuss the advantages and disadvantages of live attenuated and killed vaccines. (50 marks)

3.
 - 3.1 Mention two important fungi **other than** Candida that cause superficial skin infection. (08 marks)
 - 3.2 Describe briefly the illnesses caused by the fungi you mentioned in 3.1. (35 marks)
 - 3.3 Mention two antifungal agents that could be used in
 - 3.3.1 Systemic candidosis. (06 marks)
 - 3.3.2 Superficial candidosis. (06 marks)
 - 3.4 Discuss the risk factors for Candida infection. (45 marks)

4. Describe the hypersensitivity reaction that occurs in
 - 4.1 Anaphylactic shock after penicillin. (25 marks)
 - 4.2 ABO blood transfusion incompatibility. (25 marks)
 - 4.3 Rheumatic fever. (25 marks)
 - 4.4 Post streptococcal glomerulonephritis. (25 marks)

- 5.
- 5.1 Briefly Describe the Life cycle of the intestinal worm *Enterobious vermicularis*. (30 marks)
 - 5.2 State the main clinical features caused by the infestation of the above worm in children. (20 marks)
 - 5.3 How will you confirm the diagnosis of the above infestation? (50 marks)
- 6.
- 6.1 List the mosquito born diseases and the respective mosquito species responsible for the transmission of the above diseases in Sri Lanka. (30 marks)
 - 6.2 How would you control the above mentioned mosquitoes (70 marks)