

UNIVERSITY OF JAFFNA, SRI LANKA
SECOND EXAMINATION FOR MEDICAL DEGREES PART I (1ST) –JUNE 2010
MICROBIOLOGY Paper II

Date: **28.06.2010.**

Time: **2 ½ hours**

ANSWER ALL FIVE QUESTIONS

1.
 - 1.1. Define the term “Nosocomial infections” (10 Marks)
 - 1.2. List 5 nosocomial infections (20 Marks)
 - 1.3. Briefly explain the reasons for nosocomial infections (30 Marks)
 - 1.4. Outline the key preventive measures useful in reducing the burden of these infections (40 Marks)

2.
 - 2.1. Name five micro-organisms which are known to cause meningitis in human? (20 Marks)
 - 2.2. How would you collect and transport the specimens for the diagnosis of meningitis (40 Marks)
 - 2.3. How would you differentiate septic meningitis from chronic and viral meningitis based on laboratory investigations (40 Marks)

3. Explain the pathogenesis of the following infective diseases:
 - 3.1. whooping cough (35 Marks)
 - 3.2. Syphilis (35 Marks)
 - 3.3. Toxic Shock syndrome (30 Marks)

4.
 - 4.1 Write an account on *Candida albicans* regard to the followings
 - 4.1.1 clinical presentations (20 Marks)
 - 4.1.2 risk factors (20 Marks)
 - 4.1.3 diagnosis (30 Marks)
 - 4.1.4 treatment (10 Marks)
 - 4.2. Name 5 fungal species other than *Candida albicans* which cause infections in humans (20 Marks)

5. Write notes on:
 - 5.1. Infectious mononucleosis (35 Marks)
 - 5.2. Passive immunization (30 Marks)
 - 5.3. Delayed hypersensitivity reaction (35 Marks)