

UNIVERSITY OF JAFFNA

THIRD EXAMINATION FOR MEDICAL DEGREES (PART 1) – October 2009  
MICROBIOLOGY – Paper II

Date : 06.10.2009

Time Allowed: 2 ½ hours

9.00 – 11.30am

Answer All Five Questions

1

- 1.1 Describe the pathogenesis, diagnosis and treatment of Gonorrhoea. (60 marks)
- 1.2 Briefly describe the complications of Gonorrhoea. (20 marks)
- 1.3 Name other five bacteria which cause sexual transmitted diseases. (20 marks)

2.

- 2.1 Name five micro-organisms which are known to cause hepatitis in human. (15 marks)
- 2.2 Compare and contrast the Hepatitis A & B viruses in relation to morphology, epidemiology, diagnosis and prevention. (60 marks)
- 2.3 Briefly describe the special features of Hepatitis C, D & E Viruses. (25 marks)

3. Explain the pathogenesis of the following infective diseases:

- 3.1 Dengue hemorrhagic fever (35 marks)
- 3.2 *Mycobacterium tuberculosis* (30 marks)
- 3.3 Scrub typhus (35 marks)

4.

- 4.1 Name 3 fungal genera which cause Dermatophytosis. (15 marks)
- 4.2 Describe how you would make a microbiological diagnosis including collection and transport of specimens. (70 marks)
- 4.3. Name 5 fungal species(excluding dermatophytes ) which cause infections in immune compromised people. (15 marks)

5. Write notes on :

- 5.1 Swine Influenza (35 marks)
- 5.2 Live vaccine (30 marks)
- 5.3 Arthus reaction (35 marks)