



Library

UNIVERSITY OF JAFFNA, SRI LANKA
BACHELOR OF SCIENCE IN MEDICAL LABORATORY SCIENCES
THIRD YEAR FIRST SEMESTER EXAMINATION – JANUARY 2016
MLSMV 3101 MEDICAL MYCOLOGY AND VIROLOGY
PAPER II

Date: 25.01.2016

Time: 2 hours

ANSWER ALL EIGHT QUESTIONS.

1.

- 1.1 List three subcutaneous fungal infections in human. **(15 marks)**
1.2 Name the causative agents responsible for the infections mentioned in 1.1. **(25 marks)**
1.3 Describe the laboratory tests used to identify the fungi mentioned in 1.2. **(60 marks)**

2.

- 2.1 Name three yeasts which cause human infections. **(10 marks)**
2.2 Describe the clinical manifestations caused by two of the pathogens mentioned in 2.1. **(40 marks)**
2.3 Briefly describe how you would identify the pathogens mentioned in 2.1. **(50 marks)**

3.

- 3.1 Define the term dimorphic fungi. **(10 marks)**
3.2 Name two infections which can be caused by dimorphic fungi. **(10 marks)**
3.3 Briefly describe the fungal infections mentioned in 3.2. **(40 marks)**
3.4 Briefly describe the laboratory diagnosis of the fungal infections mentioned in 3.2. **(40 marks)**

4. Write notes on the following

- 4.1 Dermatophytosis **(40 marks)**
4.2 Slide culture technique. **(30 marks)**
4.3 Penicillium spp. **(30 marks)**

5.

5.1 List the herpes viruses which cause human infections. **(15 Marks)**

5.2 Briefly describe the clinical manifestations caused by three of the viruses mentioned in 5.1. **(50 Marks)**

5.3 Describe how you would identify the viruses mentioned in 5.2. **(35 Marks)**

6. Describe the mode of transmission, laboratory diagnosis and preventive measures of the following diseases.

6.1 Measles **(50 Marks)**

6.2 Rabies **(50 Marks)**

7. Write short notes on the following

7.1 Viral gastroenteritis **(50 Marks)**

7.2 Influenza viruses **(50 Marks)**

8.

8.1 Briefly describe two ARBO viral infections found in Sri Lanka. **(30 Marks)**

8.2 Describe the laboratory tests used in a microbiology laboratory to diagnose the infections mentioned in 8.1. **(40 Marks)**

8.3 Write notes on prevention and control of ARBO viral infections. **(30 Marks)**