

UNIVERSITY OF JAFFNA, SRI LANKA  
BACHELOR OF SCIENCE IN MEDICAL LABORATORY SCIENCES  
THIRD YEAR FIRST SEMESTER EXAMINATION – OCTOBER 2019

MLSMV 3115 MEDICAL MYCOLOGY AND VIROLOGY

PAPER II

Date: 28.10.2019

Time: 2 hours

ANSWER ALL EIGHT QUESTIONS.

1.
  - 1.1 Name three subcutaneous fungal infections and the etiological agents of each infection. (30 Marks)
  - 1.2 List the possible specimens that could be used to diagnose the infections mentioned in 1.1. (25 Marks)
  - 1.3 Briefly describe how would you identify the fungal species mentioned in 1.1 in a mycology laboratory. (45 Marks)
  
2. Write notes on
  - 2.1 Dermatophytosis (50 Marks)
  - 2.2 Culture media for fungi (50 Marks)
  
3.
  - 3.1 Name three yeasts which cause infections in human. (15 Marks)
  - 3.2 List the specimens you would receive to identify the yeasts mentioned in 3.1. (25 Marks)
  - 3.3 Describe the laboratory tests used to identify each yeasts mentioned in 3.1. (60 Marks)
  
4.
  - 4.1 Name three Aspergillus species which cause opportunistic infections in man. (10 Marks)
  - 4.2 Briefly describe how would you identify the fungi mentioned in 4.1 in a mycology laboratory. (60 Marks)
  - 4.3 Write notes on slide culture technique. (30 Marks)

5. Describe the mode of transmission and laboratory diagnosis of the following viral diseases

5.1. HIV (50 Marks)

5.2. Rabies (50 Marks)

6. Briefly describe the following viral infections.

6.1 Polio (40 Marks)

6.2 Influenza (30 Marks)

6.3 Viral ~~gastritis~~ gastroenteritis (30 Marks)

7.

7.1 Name the viruses which cause hepatitis and the mode of transmission of each. (10 Marks)

7.2 List the laboratory tests used to diagnose the infections mentioned in 7.1 in a virology laboratory. (60 Marks)

7.3 Describe the preventive measures taken for each of the infection. (30 Marks)

8.

8.1 Name three ARBO viral diseases in Sri Lanka. (15 Marks)

8.2 Discuss the laboratory tests available to diagnose each of the disease mentioned in 8.1. (60 Marks)

8.3 Briefly describe the prevention and control of ARBO viral diseases in Sri Lanka. (25 Marks)