

UNIVERSITY OF JAFFNA, SRI LANKA
FACULTY OF ALLIED HEALTH SCIENCES
THIRD YEAR FIRST SEMESTER EXAMINATION IN BSc HONS (MLS)- 2020
MLSMV 3115 MEDICAL MYCOLOGY AND VIROLOGY
PAPER II

Date: 10.05.2022

Time: 2 hours

ANSWER ALL EIGHT QUESTIONS.



1.
 - 1.1 Name three genera of dermatophytes which cause human infections. **(15 marks)**
 - 1.2 Describe how would you collect and transport of specimens from the infections caused by the dermatophytes mentioned in 1.1. **(45 Marks)**
 - 1.3 Describe how would you identify dermatophytes mentioned in 1.1 in a mycology laboratory. **(40 marks)**

2. Write notes on the following
 - 2.1 Histoplasmosis. **(40 marks)**
 - 2.2 Slide culture technique used in diagnosis of fungal infections **(30 marks)**
 - 2.3 Fungal culture media used in fungal identification. **(30 marks)**

3.
 - 3.1 List three Candida species which cause human infections. **(15 marks)**
 - 3.2 Briefly describe the infections caused by Candida spp mentioned in 3.1. **(25 marks)**
 - 3.3 Describe the tests used to identify Candida species in a mycology laboratory **(60 marks)**

4.
 - 4.1 List three fungal species which cause mycetoma. **(15 marks)**
 - 4.2 Describe how would you identify the fungal pathogens from a pus sample obtained from a patient with mycetoma **(45 marks)**
 - 4.3 Write the advantages and disadvantages of performing the fungal culture in a petri dish. **(40 marks)**

5.

- 5.1 Name five Herpesviruses. (15 Marks)
- 5.2 State the modes of transmission of each of the virus mentioned in 5.1. (35 Marks)
- 5.3 Describe the available laboratory tests to identify the viruses mentioned in 5.1. (50 Marks)

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

- 6.1 Poliomyelitis (30 Marks)
- 6.2 HIV infection (35 Marks)
- 6.3 Rabies (35 Marks)

7. Write notes on

- 7.1 Direct methods used in virus identification (30 Marks)
- 7.2 Influenza (40 Marks)
- 7.3 Viral gastroenteritis (30 Marks)

8.

- 8.1 Briefly describe the source and mode of transmission of dengue viral infection (15 Marks)
- 8.2 Describe the available laboratory tests used to identify dengue virus infection in Sri Lanka. (50 Marks)
- 8.3 Write notes on prevention and control of ARBO viral infections in Sri Lanka. (35 Marks)

