



UNIVERSITY OF JAFFNA, SRI LANKA
FACULTY OF ALLIED HEALTH SCIENCES
THIRD YEAR SECOND SEMESTER EXAMINATION IN BScHons (MLS)-2023
MLSMV 3243 MYCOLOGY AND VIROLOGY
PAPER II

Date: 04. 06.2025

Time: 2 hours

1. A urine sample was received from a 35 year old woman who has been experiencing symptoms of urinary tract infection for the past two months. Culture of this sample on chromogenic agar for yeasts revealed green colour colonies.
 - 1.1 Name the probable pathogen isolated from this patient (05 Marks)
 - 1.2 List the other infections caused by the pathogen mentioned in 1.1 (15 Marks)
 - 1.3 Mention the type of clinical samples you would expect to receive for identifying the pathogen mentioned in 1.1. (15 Marks)
 - 1.4 Outline the steps involved in processing the above sample in a clinical microbiology laboratory (25 Marks)
 - 1.5 Describe the laboratory tests used to identify the pathogen mentioned in 1.1. (40 marks)
2.
 - 2.1 List four superficial mycoses that affect human (15 Marks)
 - 2.2 Mention the causative fungi for each of the mycosis listed in 2.1 (20 Marks)
 - 2.3 Briefly describe the modes of transmission of the mycoses mentioned in 2.1. (25 Marks)
 - 2.4 Describe the laboratory tests used to identify the pathogens mentioned in 2.2. (40 Marks)

- 3.
- 3.1 Name two ARBO viral infections that are commonly seen in Sri Lanka (05 Marks)
 - 3.2 Describe the source and modes of transmission of the viruses mentioned in 3.1 (20 Marks)
 - 3.3 Describe the laboratory tests used to diagnose the infections mentioned in 3.1 (50 Marks)
 - 3.4 Outline the preventive measures that can be implemented to control the viral infections mentioned in 3.1 (25 Marks)
4. Write notes on
- 4.1 Antigenic drift and shift in influenza virus (30 Marks)
 - 4.2 Oncogenic viruses (30 Marks)
 - 4.3 Usefulness of hepatitis B virus markers (40 Marks)