

UNIVERSITY OF JAFFNA, SRI LANKA
BACHELOR OF SCIENCE IN MEDICAL LABORATORY SCIENCES
THIRD YEAR FIRST SEMESTER EXAMINATION – NOVEMBER 2014
MLSMV 3101 MEDICAL MYCOLOGY AND VIROLOGY
PAPER II

Date: 12.11.2014

Time: 2 hours

ANSWER ALL EIGHT QUESTIONS.

1.

1.1 Name three yeasts which cause opportunistic infections in man **(20 marks)**

1.2 Describe the laboratory tests used to identify the fungi mentioned in 1.1
(80 marks)

2.

2.1 Name three dermatophytes which cause human infections **(30 marks)**

2.2 Describe the mode of transmission and clinical manifestations of
the dermatophytes mentioned in 2.1 **(40 marks)**

2.3 Describe how to identify the pathogens mentioned in 2.1 in the laboratory.
(30 marks)

3. Write notes on the following

3.1 Slide culture technique. **(50 marks)**

3.2 Histoplasmosis. **(50 marks)**

4.

4.1 Write short notes on Saboroud dextrose agar **(30 marks)**

4.2 Describe the use of microscopy in the diagnosis of fungal infections **(70 marks)**

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

5.1 Dengue (50 Marks)

5.2 AIDS (50 Marks)

6. Write short notes on the following

6.1 Inclusion bodies (30 Marks)

6.2 Immunofluorescence technique in virology (30 Marks)

6.3 Viral replication (40 Marks)

7.

7.1 List the viruses which cause Hepatitis in man (20 Marks)

7.2 Describe briefly the mode of transmission of the viruses mentioned in 7.1 (30 Marks)

7.3 Describe the laboratory diagnosis of hepatitis viruses mentioned in 7.1 including the viral markers. (50 Marks)

8.

8.1 Name five viruses which cause respiratory infection in man. (15 Marks)

8.2 Describe briefly the clinical manifestations caused by each virus mentioned in 8.1. (60 Marks)

8.3 Write notes on prevention of respiratory viral infections (25 Marks)

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