



UNIVERSITY OF JAFFNA, SRI LANKA
BACHELOR OF SCIENCE IN MEDICAL LABORATORY SCIENCES
SECOND YEAR SECOND SEMESTER EXAMINATION – JULY 2015

MLSIM 2202 IMMUNOLOGY

PAPER II

Date: 03.07.2015

Time: 2 hours

ANSWER ALL SIX QUESTIONS.

1.

- 1.1 Define the term “precipitation” (10 Marks)
1.2 Describe different types of precipitation techniques (70 Marks)
1.3 Briefly describe the uses of precipitation techniques you mentioned in 1.2 (20 Marks)

2.

- 2.1 Describe the different types of Enzyme Linked Immunosorbant Assay (ELISA) with the help of diagrams (80 Marks)
2.2 Mention two advantages of each type of ELISA you mentioned in 2.1 (20 Marks)

3.

- 3.1 Describe the role of complements in immunity (50 Marks)
3.2 Write an account of innate immunity involved in different systems (50 Marks)

4. Write short notes on

- 4.1 Western blot (30 Marks)
4.2 Monoclonal antibodies (40 Marks)
4.3 VDRL test (30 Marks)

5. Briefly describe the following laboratory tests

5.1 Coombs test (50 Marks)

5.2 Immunofluorescence test (50 Marks)

6. Write short notes on

6.1 Systemic Lupus Erythematosus (SLE) (50 Marks)

6.2 Type IV hypersensitivity (50 Marks)

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