

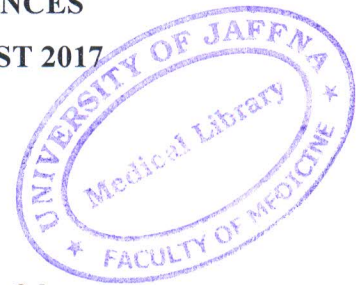
UNIVERSITY OF JAFFNA, SRI LANKA
BACHELOR OF SCIENCE IN MEDICAL LABORATORY SCIENCES
SECOND YEAR SECOND SEMESTER EXAMINATION – AUGUST 2017

MLSIM2202 IMMUNOLOGY

PAPER II

Date: 14.08.2017

Time: 2 hours



ANSWER ALL SIX QUESTIONS.

1.

- 1.1 Briefly describe the principle and the procedure of indirect Immunofluorescence assay. (60 Marks)
- 1.2 Briefly describe the uses of the above assay in a clinical laboratory. (40 Marks)

2.

- 2.1 Describe sandwich ELISA technique with suitable diagrams. (60 Marks)
- 2.2 Briefly describe the uses of the above technique in clinical laboratory. (40 Marks)

3.

- 3.1 Define the term "agglutination". (10 Marks)
- 3.2 Describe different types of agglutination techniques used in a clinical laboratory (60 Marks)
- 3.3 Write the uses of agglutination techniques in a clinical laboratory. (30 Marks)

4. Briefly describe the following laboratory tests

- 4.1 Western blot technique (40 Marks)
- 4.2 Coombs test (60 Marks)

5. Write notes on the following

5.1 Type I hypersensitivity (30 Marks)

5.2 Live attenuated vaccines (30 Marks)

5.3 Innate immunity (40 Marks)

6.

6.1 Name five autoimmune diseases (20 Marks)

6.2 List three laboratory tests you would carry out to diagnose the autoimmune diseases mentioned in 6.1. (15 Marks)

6,3 Briefly describe the tests you mentioned in 6.2. (65 Marks)

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