

**UNIVERSITY OF JAFFNA, SRI LANKA**  
**FACULTY OF ALLIED HEALTH SCIENCES**  
**SECOND YEAR SECOND SEMESTER EXAMINATION IN BScHons (MLS)-2020**  
**MLSIM2235 IMMUNOLOGY**



**PAPER II**

**Date: 18.01.2023**

**Time: 2 hours**

**ANSWER ALL SIX QUESTIONS.**

1.
  - 1.1 Name two (2) types of Immunofluorescence assay **(10 Marks)**
  - 1.2 Briefly describe the principle and the procedure of the types of Immunofluorescence assays mentioned in 1.1 **(50 Marks)**
  - 1.3 Describe the uses of the above assays 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 a clinical laboratory. **(40 Marks)**
  
3.
  - 3.1 Define the term “Innate immunity” **(10 Marks)**
  - 3.2 Describe the mechanisms of Innate immunity **(60 Marks)**
  - 3.3 Write notes on “Passive acquired immunity” **(30 Marks)**
  
4. Briefly describe the following
  - 4.1 Western blot technique **(50 Marks)**
  - 4.2 VDRL test **(50 Marks)**
  
5. Write notes on the following
  - 5.1 Delayed hypersensitivity **(50 Marks)**
  - 5.2 Systemic Lupus Erythematosus (SLE) **(50 Marks)**

6.

6.1 Mention the principle of Indirect Coomb's test (20 Marks)

6.2 Briefly describe the procedure of the test mentioned in 6.1. (40 Marks)

6.3 Mention the uses of the test mentioned in 6.1. (40 Marks)