UNIVERSITY OF JAFFNA, SRI LANKA BACHELOR OF SCIENCE IN MEDICAL LABORATORY SCIENCES SECOND YEAR SECOND SEMESTER EXAMINATION – JANUARY 2013

MLSIM 2202 IMMUNOLOGY

PAPER II

	22.01.2013	Time: 2 hours
ANSWER ALL SIX QUESTIONS.		
1.		
1.1	Define precipitation	(10 Marks)
1.2	Describe different types of precipitation	(60 Marks)
1.3	Enumerate on the advantages of precipitation	(30 Marks)
2. Briefly describe the following laboratory tests		
2.1	Direct and Indirect Coombs test	(60 Marks)
2.2	Complement fixation test	(40 Marks)
3.		
3.1	What is Immunofluorescence	(10 Marks)
3.2	Give the principle of Immunofluorescence	(20 Marks)
3.3	Describe the types of Immunofluorescence	(50 Marks)
3.4	Enumerate the advantages of each type mentioned in 3.3	(20 Marks)
4. Wri	te short notes on	
4.1	Sandwich ELISA	(40 Marks)
4.2	Live attenuated vaccines	(30 Marks)
4.3	Type I hypersensitivity	(30 Marks)

- 5. Briefly describe the immunopathogenisis and laboratory investigation of the following diseases
 - 5.1 Systemic Lupus Erythmatosus (SLE) (50 Marks)
 - 5.2 Rhematoid arthritis (50 Marks)

6.

- 6.1 Describe the cellular mechanisms of the non specific immune response (60 Marks)
- 6.2 Give an account of Major Histocompatibility Complex (MHC) products

 (40 Marks)