CER

UNIVERSITY OF JAFFNA, SRI LANKA FACULTY OF ALLIED HEALTH SCIENCES FIRST YEAR FIRST SEMESTER EXAMINATION IN BScHons (MLS)- 2020 MLSPM 1143 PHYSIOLOGY FOR MLS I- PAPER II

Date:11.02.2022 Time: 2 hours

Answer all the six questions.

1.			
	1.1.	Write the volume and distribution of body fluids in a 50 kg adult	(20 Marks)
	1.2.	Briefly explain the physiological basis of edema in patients with liver disease.	(30 Marks)
	1.3.	Describe the regulation of Na balance.	(50 Marks)
2.		Briefly describe the physiological basis of the following:	
	2.1.	ESR is increased in anemia	(30 Marks)
	2.2.	Clotting time is prolonged in patients with liver disease.	(35 Marks)
	2.3.	MCV is reduced in iron deficiency	(35 Marks)
3.		Describe:	
	3.1.	Synaptic transmission	(50 Marks)
	3.2.	Regulation of temperature in a hot environment	(50 Marks)
4.			
	4.1.	List the factors affecting gas exchange in the lungs	(20 Marks)
	4.2.	Briefly explain the physiological basis of reduced PO2 in	(30 Marks)
	4.2	pulmonary edema	(50 MI)
	4.3.	Explain the basis of increased respiratory rate in asthmatic patients	(50 Marks)
		patients	
5.			/#0 %# × `
	5.1.	Describe the events occurring in the left ventricle during a normal cardiac cycle	(50 Marks)
	5.2.	Define stroke volume	(10 Marks)
	5.3.	Briefly explain the factors affecting stroke volume.	(30 Marks)
		Explain the physical scient basis of the following:	
6.	6.1.	Explain the physiological basis of the following: Heart rate increases in hemorrhage	(40 Marks)
	6.2.	PR interval increases in ECG when stimulating right vagus	(30 Marks)
	V.2.	nerve	(30 2.202 110)
	6.3.	Glyceryl Trinitrate relieves angina	(30 Marks)