Allied Hearth Sciences

UNIVERSITY OF JAFFNA, SRI LANKA FACULTY OF ALLIED HEALTH SCIENCES

First Year First Semester Examination in BPharmHons- 2021 PHAPP 1163 PHYSIOLOGY FOR PHARMACY I - PAPER II

ANSWER ALL THE SIX QUESTIONS.			Time: 2 hours
1.	1.1. 1.2.	Describe tissue fluid formation and reabsorption A child is admitted with diarrhoea. Urine output of the child is reduced and the urine is concentrated and the colour is dark.	(40 Marks)
	1.2.1. 1.2.3.	Explain the basis of reduced urine output.	(50 Marks) (10 Marks)
2.	Briefly 2.1. 2.2. 2.3.	describe the basis of giving: Erythropoietin to patients with chronic renal failure Streptokinase to patients with myocardial infarction Multiple doses tetanus toxoids to children	(30 Marks) (30 Marks) (40 Marks)
3.	3.1. 3.2.	Describe action potential in nerves Explain the basis of increased sweating after giving Paracetamo for fever	(50 Marks) 1 (50 Marks)
4.	4.1. 4.2. 4.2.1	Describe the changes in pleural pressure during quiet breathing. A university student with asthma was admitted with difficulty in breathing. His respiratory rate was 38/minute. He was treated with Salbutamol. Explain the basis of: The respiratory rate of 38/minute	,
	4.2.2	Treating with Salbutamol	(20 Marks)
5.		Name the phases of cardiac cycle Describe the pressure changes in the left ventricle during a cardiac cycle.	(20 Marks) (40 Marks)
	5.3.	Briefly explain the factors affecting cardiac output.	(40 Marks)
5.	Explain	the physiological basis of the following:	
	6.2. 6.3.	Heart rate of 120 / minute in a patient with haemorrhage. Increased pulse pressure in pregnancy Decreased risk of ischaemic heart disease in individuals who are physically active from young age	(40 Marks) (30 Marks) (30 Marks)