

## UNIVERSITY OF RUHUNA – FACULTY OF MEDICINE

## ALLIED HEALTH SCIENCES DEGREE PROGRAMME SECOND BPHARM PART I EXAMINATION – NOVEMBER 2015 PH 2134 – PATHOLOGY AND PHARMACOLOGY I (SEQ)

TIME: THREE HOURS

## INSTRUCTIONS

- Answer <u>all</u> questions.
- No paper should be removed from the examination hall.
- Do not use any correction fluid.
- Use illustrations where necessary.

## 1. Write short notes on the followings

1.1. Dose response curve	s (25 marks)
1.2. Receptors	(25 marks)
1.3. Therapeutic index	(25 marks)
1.4. Tolerance	(25 marks)

2.

2.1.	List fiv	e choniergic drugs	(10 marks)
2.2.		be the uses of anticholinergic drugs?	(50 marks)
2.3.			
	2.3.1.	Write two groups of neuromuscular blocking drugs	(5 marks)
*	232	Compare and contrast the two groups you mentioned in 2.3.1	(35 marks)

3. Describe the effects of liver dysfunction on drug

3.1.	absorption	(25 marks)
	plasma protein binding and distribution	(25 marks)
	metabolism	(25 marks)
	elimination	(25 marks)

4. Write short notes on

4.1.	clinical trials	(30 marks)
4.2.	adrenaline	(30 marks)
	drug Interactions	(40 marks)

5.

	5.1.	Briefly explain antihypertensive action of β-blockers	(40 marks)
	5.2.	Describe the pharmacological basis of using	
		5.2.1. tamsulosin in benign prostatic hyperplasia	(20 marks)
		5.2.2. nitrates in ischaemic heart diseases	(40 marks)
6.	Ansv	ver <u>all</u> parts	
	6.1.	List 5 features of benign neoplasms	(10 marks)
	6.2.	List 5 features of malignant neoplasms	(10 marks)
	6.3.	What are the cellular features of malignancy	(10 marks)
	6.4.	Write down the cell of origin of following tumours	(20 marks)
		6.3.1 Melanoma	
		6.3.2 Lipoma	
		6.3.3 Leiomyoma	
		6.3.4 Chondroma	
		6.3.5 Lymphoma	
	6.5	Describe routes of tumour spread	(10 marks)
	6.6	What is acute inflammation?	(10 marks)
	6.7	List 5 mediators of acute inflammation and their mode of action	(20 marks)
	6.8	What is a granuloma?	(10 marks)