

UNIVERSITY OF RUHUNA - FACULTY OF MEDICINE

Allied Health Sciences Degree Programme

Second Bpharm Part 1 Examination - October 2012 PH 2134 - Pharmacology and Pathology 1

Short Essay Questions

DATE: November 2012

INDEX NO:

3 HOURS

INSTRUCTIONS Answer all questions. No paper should be removed from the examination hall. Part A	
Write the definition of acute inflammation.	
1.2 List five cardinal signs of acute inflammation.	(10 marks)
	(20 marks)
1.4 Briefly describe the difference between hyperplasia and neoplasia.	(20 marks)

1.5	Briefly indicate the light microscopic changes seen in the process of cel	l injury giving
	examples.	(20 marks)
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1.6	Briefly explain the process of apoptosis.	(20 marks)

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2.	Part B	
	lame the ADME process.	(10)
		(10 marks)
2.2 B	riefly describe the difference between first order kinetics and zero order	
	order killedies and zero order	
		(30 marks)
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	- d
2.3 As a pharmaceutical scientist, how do you report a serious adverse	e drug reaction (20 marks)
reported to the pharmacy at the OPD?	(20 marks)
aps of anaps area in the broadment of broadblakering (15 marks	erg sandi zallık.b.,
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2.4 Write the mode of action of propranolol	(10 marks)
p.2 nr euroclassimosy agunt och tid och gnitu ta zasis (sagertus) i 160	nel em) copularones
(38)	
The second control of	
2.5 Write four clinical indications of propranolol.	(10 marks)

2.6 List four types of diuretics used in clinical practice. Write mode of action of diuretic you mentioned.	(20 marks)
3.	
3.1 List three groups of drugs used in the treatment of bronchial asthma.	(15 marks)
- (A) The same of the Company of the	• • • • • • • • • • • • • • • • • • • •
3.2 Explain the pharmacological basis of using one of the drugs youmentioned in	3.1
	(20 marks)
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	angina regarding the medication therapy, on discharge.	30 marks)
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	Least autich alignerie drugs and ano clinical use for each	(15 marks)
	3.4 List three examples of anticholinergic drugs and one clinical use for each.	(13 marks)
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		nt who was
	3.5. What are the important advices you give as a clinical pharmacist to a patie	(20 marks)
	prescribed prazosin on discharge from the ward?	(20 marks)

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List the drug groups used in the treatment of different arrhythmias give	
List the drug groups used in the treatment of different arrhythmias gives	ving one example (25 ma
each group.	(25 ma
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4.4. Explain the pharmacological basis of usingpilocar	pine in open angle glaucoma. (25 marks)
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Part C	
5.	
5.1 Write one clinical indication, each for the two the pharmacological basis.	(40 marks)
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	5.2. Describe the mode of action of captopril.	(30 marks)
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	(CF 1801 OR)	
	5.3 Write the advice you would give as a clinical pharmacist to a patient who was	prescribed
	captopril on discharge from the medical ward.	(30 marks)
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6.	
	(40 marks)
pharmacological basis of using each the type of drug.	(40 marks)
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pharmacological basis of using each the type of drug.	(40 marks)

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6.2 State the site /s of action of	
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6.2.1 noradrenaline.	
5.2.1 noradrenanne.	(15 marks)

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6.2.2 otomicototic	
6.2.2 atorvastatin.	(15marks)

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6.2.3 spironolactone.	(15 marks)
6.2.4 dopamine.	(15 marks)