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UNIVERSITY OF RUHUNA – FACULTY OF MEDICINE

ALLIED HEALTH SCIENCES DEGREE PROGRAMME FIRST BPHARM PART I EXAMINATION – JULY 2016 PH 1132: PHARMACEUTICS I A (SEQ)

TIME: TWO 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.

1.1.	Classify properties of matter and give examples for them.	(35 marks)
1.2.	Briefly explain the polymorphism.	(25 marks)
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1.3.	Name and briefly discuss three analytical measures used to in physicochemical properties of a drug molecule.	nvestigate the	(40 marks)
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2.1.	Briefly discuss the term "Micrometrics".		(15 mark
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	Briefly discuss the importance of micrometrics.		(40 mark
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	Well and the state of the state	
2.3.	Briefly explain the measurements used to analyze the particle size of a d	rug molecule.
	, , , , , , , , , , , , , , , , , , , ,	(20 marks)
2.4.	State four "colligative properties" of solutions.	(10 marks)
2.5.	Define the term solubilization.	(05 marks)
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2.6. Name three (03) important intermolecular attraction forces that involve	e in
solubilization.	(10 marks)

	3.1. Define "Pharmacy" profession.	(20 marks)
	3.2. Name five (05) principal professional categories in pharmacy.	(10 marks)
	2.2 P. C. (01) and a second in 2.2	(20
	3.3. Define one (01) category named in 3.2.	(20 marks)
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3.4.	What a	are the prominent eras occurred throughout the history of development o)İ
	pharma	nacy?	0 marks)
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2.5			
3.5.	2.5.1		din o on
	3.5.1.	Drug information sources are classified into different categories depend	ding on
		the information. Give four (04) drawbacks of "Tertiary Resources".	
			marks)
	3.5.2.	d. Give three (03) examples of tertiary resources. (1	(0 marks)

4.1.	Promethazine with codeine syrup contains 6.25 mg promethazine and 1	mg codeine
	per 5 mL. How many milligrams of promethazine are in 10 mL?	(20 marks)

4.2.	If a prescription reads "Augmentin 875 mg by mouth twice a day", how	many ml of
7.2.	Augmentin 400 mg/5 mL are required to dispense a 10 day supply?	
	Augmentin 400 mg/5 mL are required to dispense a 10 day suppry?	(30 marks)
		• • • • • • • • • • • • • • • • • • • •
4.3.	How many 500 mg tablets of erythromycin are required to prepare 240	mL of 2%
	solution of erythromycin?	(30 marks)
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4.

4.4. List five (05) factors influencing the dose of a drug?	(20 marks)