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## UNIVERSITY OF RUHUNA - FACULTY OF MEDICINE ALLIED HEALTH SCIENCES DEGREE PROGRAMME SECOND BPHARM PART 1 EXAMINATION - NOVEMBER 2012 PH 2123 - PHARMACEUTICS IIB (SEQs)

2 hours	2.00 pm- 4.00pm	
INSTRUCTIONS		
Answer all (four) questions.		
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Briefly explain the following statements. 1.1.

(25 marks) 1.1.1. Respiratory tract is an efficacious route of drug administration.

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1.1.2. Environmental humidity of the respiratory trac	t influences the inhalation drug
1.1.2. Environmental number of the respiratory trac	
	(25 marks)
delivery.	()
	and the second
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a to the describe the followings with reference to metered uose minutes	
1.2. Briefly describe the followings with reference to metered dose inhaler	(15 marks)
Haraba .	
1.2.1. Propellants	
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	(at months)
	(15 marks)
1.2.2. Metering valve	
1.2.2. Metering tea	
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	nhalers (20 marks)
1.3. Briefly indicate the advantages and disadvantages of metered dose i	
1.3. Briefly indicate the advantages and discussion	

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2. Explain briefly the followings.		
2.1 Advantages of tablets as a de	osage form.	(30 marks)
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(F)

2.2 Use of lubricants as an excipient in tablets.	(30 marks)
	<ol> <li>Explain briefly the</li> </ol>
2.3 Granulation as an unit operation in tablet manufacturing.	(40 marks)

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3.3-Describe the importance of
n na se
3.
3.1 List five forms of parenteral preparations as given in British Pharmacopeia. (10 marks)
3.2. Discuss the advantages and disadvantages of parenteral preparations. (30 marks)
3.2. Discuss the advantages and disadvantages of parenteral preparations. (30 marks)
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3.3. Describe the importance of	
3.3.1. blow fill seal cycle in manufacturing parenteral containers.	
	(30 marks)
cohem 0.1	••••••
3.3.2. vehicles used in formulation of injections.	(30 marks)
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ny particular and the data data to constituting and to construct the construction and and and and a construction of the	

	(30 marks)
.1 Explain the advantages of hard gelatin capsules.	(50 marks)
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	a been set that a set of a second set of the second set of the second set of the second set of the second
	decesso form
4.2. Briefly explain the three basic methods in powder filling in capsule	(30 marks)
	(50 marks)
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## 4.3. Describe formulation of sustained released dosage form based on drug modification.

(40 mark	(S)
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