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## UNIVERSITY OF RUHUNA – FACULTY OF MEDICINE

## ALLIED HEALTH SCIENCES DEGREE PROGRAMME SECOND BPHARM PART 1 EXAMINATION - JULY 2013 PH 2114 - PHARMACEUTICS I1A (SEQ)

TIME: 9.00a.m-12.00 noon

## **INSTRUCTIONS**

- No paper should be removed from the examination hall.
- Do not use any correction fluid.
- Please use separate answer booklets.

## Answer all the questions.

Answer all the questions.	
01.	
1.1 Describe briefly the disadvantages of powders as a dosage form.	(25 marks)
(38.1.2, 31)	
1.2.1 What is granulation?	(05 marks)
1.2.2 Describe dry granulation using relevant diagrams.	(20 marks)
1.2.3 Compare and contrast the powders and granules.	(20 marks)
1.2.4 Describe briefly the reasons for granulation.	(30 marks)
(02. am 45)	
2.1 Explain the followings.	
2.1.1 Different types of emulsions	(20 marks)
2.1.2 Tests used to identify emulsion types	(20 marks)
2.1.3 Methods used to prepare an emulsion	(30 marks)
2.2	
2.2.1 List out the advantages of a suspension as a dosage form.	(10 marks)
2.2.2 Explain the method used to prepare a suspension containing an in-dif	fusible solid. (20 marks)
03.	
(Estate (E.) - Linguille Agree a supermost collected the Estation 3.1	
3.1.1 List the advantages and disadvantages of transdermal drug delivery s	ystem.
	(00 1)
	(20 marks)
3.1.2 Explain briefly the membrane moderated transdermal drug delivery s	ystem.
	(30 marks)

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