

UNIVERSITY OF JAFFNA, SRI LANKA
BACHELOR OF PHARMACY
SECONDYEAR FIRSTSEMESTER EXAMINATION – July 2013
PHACE2103- PHARMACEUTICS II
Paper II

Date: 22.08.2013

Time: 02 Hours

ANSWER ALL SIX QUESTIONS

1.
 - 1.1 What is industrial methylated spirit(IMF)? (15 Marks)
 - 1.2 Calculate the alcohol strength of IMF in proof spirit. (30 Marks)
 - 1.3 The hospital pharmacist is requested to supply an intravenous fluid which contains 1% anhydrous dextrose, 1% magnesium phosphate. Sodium chloride is added to the above fluid to make it isotonic. How will you prepare above fluid? (55 Marks)
The molecular weights of
anhydrous dextrose -180
magnesium phosphate -263
sodium chloride - 58.5.

2.
 - 2.1 Write the difference between primary packaging material and secondary packaging material. (20 Marks)
 - 2.2 Describe properties of the packaging material for the following dosage forms.
 - 2.2.1 Parenteral products. (30 Marks)
 - 2.2.2 Capsules. (30 Marks)
 - 2.2.3 Suppositories. (20 Marks)

3.
 - 3.1 Describe the factors that influence the dose of a drug. (70Marks)
 - 3.2 Adult dose of paracetamol is 500-1000 mg. Calculate the paediatric dose of paracetamol for one year old(10 kg) child. The conversion factor for 1-7 years is 1.5. (30 Marks)

4.
 - 4.1 What is meant by
 - 4.1.1 chemical stability of drugs? (15 Marks)
 - 4.1.2 microbial stability of drugs? (15 Marks)
 - 4.2 List the factors which affect the stability of a drug. (30 Marks)
 - 4.3 Write an account on chemical stabilization of drugs. (40 Marks)

5. 5.1 What do you understand by the term “extemporaneous preparation”? (25 Marks)
- 5.2 What are the measures that must be taken into consideration when preparing an extemporaneous preparation? (30 Marks)
- 5.3 How would you maintain a refrigerator in a pharmacy for cold drug storage? (20 Marks)
- 5.4 What are the special characters of patient friendly containers? (25 Marks)
- Specia*
6. 6.1 Define the term pharmaceutical dressings. (10 Marks)
- 6.2 What are the required characteristics of surgical dressings? (50 Marks)
- 6.3 Briefly describe different types of bandages. (40 Marks)