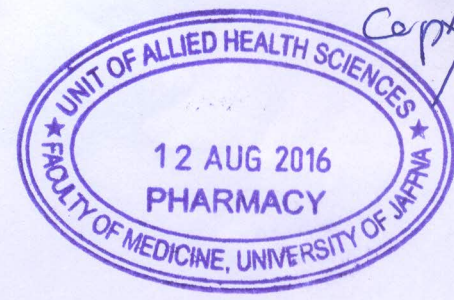


Library
Copy



UNIVERSITY OF JAFFNA
BACHELOR OF PHARMACY
SECOND YEAR FIRST SEMESTER EXAMINATION August 2016
PHACE 2134 PHARMACEUTICS II

Date: 12.08.2016

Time: 02 Hours

Answer All ^{Eight} Six Questions.

01.

- 1.1 Give the composition of the Industrial Methylated Spirit (IMS). (15 Marks)
- 1.2 Give the calculation for determining the alcohol concentration of IMS in proof spirit. (30 Marks)
- 1.3 The hospital pharmacist is requested to supply an intravenous fluid. (55 Marks)
The Intravenous fluid should have 1 % anhydrous dextrose, 1.0% magnesium phosphate and sodium chloride to adjust for isotonicity.
How will you prepare the above fluid?
The molecular weights of :
 - anhydrous dextrose – 180.
 - magnesium phosphate – 263.
 - sodium chloride - 58.5.

02.

- 2.1 Mention 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)

03. Write an account on:
- 3.1 Over the counter drugs (OTC). (50 Marks)
 - 3.2 Prescription only medicine (POM). (50 Marks)
04. 4.1 What is meant by:
- 4.1.1 chemical incompatibility 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)
05. Describe the role of pharmacist while dispensing an extemporaneous product prescription. (100 Marks)
06. 6.1 Write advantages and disadvantages of Radiopharmaceuticals. (50 Marks)
- 6.2 Give the labeling requirement of radiopharmaceuticals. (50 Marks)
07. Describe the preparations of the following:
- 7.1 Five powders packets each containing 0.5 mg hyoscine hydrobromide. (40 Marks)
 - 7.2 Hundred milliliter (100 ml) of 57.77 OP from Alcohol BP. (30 Marks)
 - 7.3 Sixty gram (60g) of 6% cetrimide cream using 3% and 15% of cetrimide creams. (30 Marks)
08. Write short notes on followings:
- 8.1 Stability testing. (35 Marks)
 - 8.2 Drug and Alcohol interaction. (35 Marks)
 - 8.3 Labelling of dispensed medicine. (30 Marks)