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UNIVERSITY OF JAFFNA, SRI LANKA
BACHELOR OF PHARMACY
SECOND YEAR FIRST SEMESTER EXAMINATION – AUGUST 2017
PHACE 2134 Pharmaceutics II

PAPER II

Date: 28.08.2017

Time: 2 hours.

ANSWER ALL EIGHT QUESTIONS.

1. With the reference to safety measures of extemporaneous preparation, write an account on:
 - 1.1 personal hygiene. (30 Marks)
 - 1.2 work area. (30 Marks)
 - 1.3 record keeping. (40 Marks)

2.
 - 2.1 Explain the factors that influence the dose of a drug. (80 Marks)
 - 2.2 Calculate the dose for 10 years old child for a drug "x". The adult dose of drug "x" is 20 mgKg⁻¹. (20 Marks)

3.
 - 3.1 Explain different types of labels. (50 Marks)
 - 3.2 Write the requirements for
 - 3.2.1 legal labeling of pharmaceuticals. (25 Marks)
 - 3.2.2 professional labeling of pharmaceuticals. (25 Marks)

4. How would you prepare
 - 4.1 and dispense five (05) sachet of a powder drug "B" the dose of which is 0.25 microgram? Class 2B dispensing balance is available? (50 Marks)
 - 4.2 20% alcohol from alcohol BP? (25 Marks)
 - 4.3 5% salicylic acid ointment from 20% and 2% of stock ointment? (25 Marks)

5. Write a short notes on.
 - 5.1 pricing of prescription. (40 Marks)
 - 5.2 transfer of prescription. (30 Marks)
 - 5.3 prescription refilling. (30 Marks)

6. Calculate the following.
 - 6.1 Weight of malachite green oxalate that is required to produce 50mL of solution which give rise 2000L with the concentration of 1 in 2 000 000 after dilution. (40 Marks)
 - 6.2 Give the formula for 100 mL of an intravenous solution containing 1.25% of anhydrous dextrose and 0.6% of pottasium chloride and made iso-osmotic with blood plasma. Molecular weight of dextrose & KCl is 180 and 74.5 respectively. (40 Marks)
 - 6.3 Strength of 80% v/v of 15L alcohol in terms of proof spirit and proof volume of the alcohol. (20 Marks)

7.
 - 7.1 List the advantages and disadvantages of plastic as a packaging material. (35 Marks)
 - 7.2 Write different types of plastics with the reference of recycle code and uses. (35 Marks)
 - 7.3 Describe the characters of child resistant closures (CRCs). (30 Marks)
8. Write an account on
 - 8.1 Industrial Methylated Spirit (IMF). (30 Marks)
 - 8.2 physical incompatibility of pharmaceutical formulations. (40 Marks)
 - 8.3 prescription blanks. (30 Marks)