

[LE 802]

APRIL 2014

Sub. Code: 3802

**DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION****FIRST YEAR****PAPER II – PHARMACEUTICS***Q.P. Code: 383802***Time: Three Hours****Maximum: 70 marks****Answer All questions****I. Elaborate on:****(2 x 20 = 40)**

1. Define incompatibility.

Discuss the various types of incompatibility with three examples each.

How do you overcome chemical incompatibility?

2. a) Define prescription.

Explain the various parts of a prescription.

Give an example of

a. typical prescription.

b. Write on Effervescent Granules.

**II. Write notes on:****(10 x 3 = 30)**

1. What are the factors that influence the dose of a drug?

2. Explain the various formulae used for calculating child dose from adult dose.

3. How are potent drugs dispensed as powders?

4. What are liniments? Give few examples, preparation and use.

5. Mention the types of emulsions and explain the preparation of emulsion by the dry gum method.

6. List out any four Latin terms, abbreviations and English meaning for time of administration of medicines.

7. Maceration process.

8. Identification test available for the types of emulsion.

9. a) Adult dose of a drug is 420 mg. Calculate the dose for 9 years old child.

(Show calculations).

b) Prepare 250 ml. of 40% alcohol from 66% and 10% alcohol (alligation method).

10. Mixtures containing indiffusible solids with examples.

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