

**First Year B.Pharm Degree Supplementary Examinations October 2018**

**Pharmaceutics - I  
(Dispensing and General Pharmacy)**

**(2012 Scheme)**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Write equations wherever necessary.

**Essay**

**(3x10=30)**

1. Define suppositories. Describe the methods for the preparation of suppositories
2. Classify powders. Describe the general methods of dispensing powders containing eutectic combinations.
3. Explain the principle of simple percolation and the various steps in the process.

**Short notes**

**(14x5=70)**

4. General method for the preparation of paste with suitable example.
5. Classify the various types of solid dosage forms.
6. Discuss in brief the various methods used in the preparation of emulsions
7. The additives used in the preparation of ointments
8. Describe in brief the method of dispensing the mixtures containing indiffusible solids.
9. Calculate how many ml of 60% w/w syrup and 20% w/w syrup are required to prepare 300 ml of 30% w/w syrup.
10. Define liniment. Explain the method of preparation of turpentine liniment I.P
11. The sources of error in prescriptions.
12. Define lozenges. Describe the advantages and the ingredients used in the preparation of lozenges
13. Define mixture. What are the advantages and disadvantages of mixture.
14. What are the salient features of the fourth edition and fifth edition of Indian pharmacopoeia.
15. Calculate the quantity of sodium chloride required for preparing 500 ml I.V infusion of 0.9% w/v concentration. How many grams of sodium chloride will be required to prepare 1 liter of 2.5% solution.
16. Various types of extracts
17. A drug can be given to adult in dose of 10 mg 2 or 3 times a day. What will be the dose for a six months old infant, a child of 5 years and boy of 16 years.

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