

First Year B.Pharm Degree Examinations - September 2013

(2012 - Scheme)

PHARMACEUTICS - I

(Dispensing and General Pharmacy)

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essay

(3x10=30)

1. Define the term percolation. Explain the simple percolation process in detail with a neat labeled diagram.
2. Explain the ideal characteristics of a suppository base and the general methods of preparing suppositories containing insoluble solids.
3. Classify and define the various types of monophasic liquid dosage forms. Mention an example for each type.

Short notes

(14x5=70)

4. Define and classify powders.
5. What volume of 90% alcohol is needed to make 250 ml of 10% alcohol mixture.
6. Mention the various factors in the selection of ideal ointment base.
7. What is the proof strength of 80%v/v and 45%v/v ethanol.
8. Describe the methods of preparing fresh and concentrated infusions.
9. General method for the preparation of powder containing small dose of a potent medicament.
10. Latin form and english meaning of the following:
 - S.O.S • ad. lib • p.r.n • p.p.a • sig
11. Formulae to calculate dose according to Dilling's formula and Fried's formula
12. Discuss therapeutic incompatibility with examples.
13. How will you distinguish w/o and o/w emulsions.
14. Handling of prescription.
15. Differentiate lotions and liniments. Add a note on containers and labeling for lotions and liniments.
16. What is pharmacopoeia. Why USP and USNF are being published together.
17. Differentiate between : • Ointment and paint • Jellies and pastes
