

**First Year B.Pharm Degree Supplementary Examinations
December 2017
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. Classify different ointment bases used in the preparation of ointments and briefly describe each base.
2. What are the advantages of mixtures. Explain the general method of dispensing mixtures containing insoluble ingredients and precipitate forming liquids.
3. Describe in detail the simple maceration process for extraction of crude drugs. Explain as to how it differs from modified maceration process.

Short notes**(14x5=70)**

4. Briefly discuss the various types of physical incompatibilities with examples
5. What are tolerated and adjusted incompatibilities and how they are corrected.
6. Discuss in brief the various methods used in the preparation of emulsions
7. Differentiate between:
 - Paste and Jellies
 - Ointment and Paint
8. Discuss the problem encountered while incorporating eutectic materials in the preparation of powder dosage form. How the problem is solved.
9. Explain the compression method of preparing suppositories
10. Explain the method of calculation to prepare 400ml of 45% alcohol from 95% alcohol.
11. Mention the qualities of an ideal suppository base. What are the advantages and disadvantages of theobroma oil as a suppository base.
12. Latin expansion and the English meaning of the following
 - sig.
 - s.s
 - p.r.n
 - p.p.a
 - ad.lib
13. The method of preparation of calamine lotion I.P.
14. What is the proof strength of 80% v/v and 45% v/v ethanol.
15. Describe the methods of preparing fresh and concentrated infusions
16. The formulae to calculate pediatric dose according to Dilling's formula and Fried's formula
17. Handling of prescription.
