

**FIRST YEAR B. PHARM DEGREE EXAMINATION, AUGUST 2011
PHARMACEUTICS -I (DISPENSING AND GENERAL PHARMACY)**

Time: 3 Hrs

Max. Marks: 100

- Answer all questions
- Draw diagrams wherever necessary

Essay**(2X10=20)**

1. Define the term "Prescription". Explain the parts of a prescription in detail with an example of a typical prescription.
2. Define 'Emulsion' Give the tests for Identification of Emulsion. Add a note on phase inversion.

Write short notes on**(10X5=50)**

3. What are the reasons of formulating a drug into a dosage form.
4. Define Proof spirit. Find out the proof strength of an elixir containing 30% v/v alcohol
5. Discuss any five reasons for therapeutic incompatibility.
6. Give the comparison between Infusion and Decoction process
7. How much of 2% ointment must be added to 30 gm of a 15% ointment to make 5% ointment
8. Define Eutectic Powder. Give methods of dispensing eutectic powders with suitable example.
9. Discuss the history of Indian Pharmacopoeia.
10. Write a note on mandle's paint.
11. Calculate the amount of thcobroma oil to prepare 8(eight) zinc oxide suppositories.
Dose of zinc oxide is 400mg and the displacement value is 5.
12. Define maceration. Differentiate double and triple maceration.

Answer Briefly:**(10x3=30)**

13. Explain the term displacement value. Give its significance.
14. Write any three formulae to calculate child's dose.
15. Deline Creaming and Cracking with respect to emulsions.
16. Define aromatic waters. Explain the different methods for preparing aromatic waters.
17. Convert the following into metric system:
•) 1 drop •) 1 wineglass full •) 1 ounce •) 1 pint •) 15 grains •) 1 fluid drachm
18. Calculate the volume of 95% alcohol required to prepare 700 ml of 70 % alcohol.
19. What is geometric dilution. Explain with suitable example.
20. Explain the procedure for dispensing mixtures containing diffusible solids with suitable example..
21. Explain the term tolerated and adjusted incompatibilities.
22. What is Tincture of Iodine. Give the composition and its use.
