

Pharmacy, Hyderabad

Code No. 8034 / M

**FACULTY OF PHARMACY****B. Pharmacy I - Year (Main) Examination, June 2015****Subject : Pharmaceutics-I (General and Dispensing Pharmacy)****Time : 3 hours****Max. Marks : 70****Note : Answer all questions. All questions carry equal marks.**

- 1 a) What is Pharmacopoeia? Write a brief note on Indian Pharmacopoeia. 7  
b) Write a brief note on Evolution of Pharmacy? 7
- OR**
- c) Write a short note on minimum weighable quantities. 3  
d) Convert the following : 8  
i) 60° UP and 42° OP to percentage v/v of alcohol  
ii) 40% v/v and 60% v/v alcohol to proof strength  
e) Prepare 400 ml of 45% alcohol from 95% alcohol 3
- 2 a) Define prescription. Describe various parts of prescription with suitable examples. 8  
b) Write a note on general dispensing procedures. 6
- OR**
- c) Write a note on colors, flavors and sweeteners used in prescription. 7  
d) Write a brief note on containers and closures used in dispensing of dosage forms. 7
- 3 a) What are mixtures? Classify different types of mixtures. Discuss general procedure for dispensing mixtures. 6  
b) What are Emulsions? Write the different types of emulsions and write methods of preparation of emulsions? Write a brief note on Emulsifying agents. 8
- OR**
- c) Define the following dosage forms with examples.  
i) Aromatic waters      ii) Syrups      iii) Suspensions      iv) Lotions  
v) Liniments      vi) Inhalations      vii) Gargles
- 4 a) Write a short note on : i) Effervescent granules      ii) Cold cream      9  
iii) Simple ointment  
b) What are suppositories? What are the different bases used in preparation of suppositories. 5
- OR**
- c) Explain the physical and therapeutic incompatibility with suitable examples and give the methods for overcoming these incompatibilities? 10  
d) Identify the type of incompatibility in the following prescription and add a note on how to overcome the incompatibility. 4
- Rx Ferric chloride solution – 2 ml,      Sodium salicylate – 4 g.,  
Water – up to 90.00 ml.
- 5 a) Explain the soxhlet extraction method with neat labeled diagram. 7  
b) Explain double maceration and triple maceration processes. 7
- OR**
- c) Write a note on diagnostic and therapeutic applications of radio pharmaceuticals. 7  
d) Discuss about handling and storage of medicinal gases. 7

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