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Code No.: 6503

**FACULTY OF PHARMACY****B.Pharmacy I Year (Supplementary) Examination, December 2011****PHARMACEUTICS - I (GENERAL AND DISPENSING PHARMACY)**

Time : 3 Hours]

[Max. Marks : 70

*Answer all questions.**All questions carry equal marks.*

1. (a) What are the ideal weighing techniques used for minimizing errors during weighing. 7
- (b) Describe the historical developments of American pharmacy. 7
- Or
- (c) Write a note on Minimum weighable amounts. 5
- (d) Calculate the quantities of 50% V/V and 25% V/V alcohol required to prepare 175 ml of 42% V/V alcohol by alligation method. 3
- (e) Convert the following 6
- (i) 75° UP and 42°OP to percentage V/V of alcohol.
- (ii) 80% V/V and 47.31% V/V to proof strength.
2. (a) Write a note on commonly used colours, flavours and sweeteners in dispensing of prescription. 9
- (b) What are the desirable qualities of container for packing of pharmaceuticals. 5
- Or
- (c) Discuss in detail about dispensing of proprietary medicines. 7
- (d) Write a note on general dispensing procedures. 7
3. (a) What are syrups? How they differ from elixirs? Write in brief the different methods of preparation of syrups with suitable examples. 8
- (b) Differentiate between : 6
- (i) Emulsions and suspensions.
- (ii) Gargles and throat paints.

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- (c) What are mixtures? Classify different types of mixtures. Discuss the formulation of mixtures. 7
- (d) Write a note on emulsifying agents. 7
4. (a) Discuss in brief about the different bases used in the preparation of ointments. 8
- (b) Write a note on : 6
- (i) Lozenges
- (ii) Pills.
- Or
- (c) Discuss about chemical incompatibilities causing evolution of CO<sub>2</sub> with suitable examples. 7
- (d) Write a note on : 7
- (i) Displacement value
- (ii) Jellies.
5. (a) Explain the Soxhlet Extraction method with a neat labelled diagram. 7
- (b) Discuss in brief about safety measures and precautions while handling medicinal gases. 7
- Or
- (c) Explain Double Maceration and Triple Maceration processes. 7
- (d) Write a note on therapeutic applications of radio pharmaceuticals. 7
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