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Code No. : 2653

**FACULTY OF PHARMACY**  
**B. Pharmacy I Year (Supple.) Examination, Oct./Nov. 2012**  
**PHARMACEUTICS — I**  
**(General and Dispensing Pharmacy)**

Time: 3 Hours}

[Max. Marks: 70]

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

1. a) Discuss in brief about a monograph in I.P. 10
- b) Write a note on development of pharmaceutical education in India. 4
- OR
- c) Convert the following : (6+4)
  - 1) 15° OP and 60° UP to percentage VN.
  - ii) Calculate the volume of 95% alcohol required to prepare 600 ml of 60% alcohol ?
- d) Write a note on pharmacy as a career. 4
2. a) Define prescription. Write a note on colors, flavours and sweeteners used in prescription. (2+5)
- b) Write the sources of errors likely to be committed while dispensing a prescriptions and how do you rectify them. 7
- OR
- c) Write a short notes on : (3+3)
  - i) Prescription container
  - ii) Labelling and packing of container.
- d) Define dosage form and write the advantages and disadvantages of dosage form. 8
3. a) Discuss briefly about instability of Emulsion. 7
- b) Discuss briefly about preparation of syrup. 7

OR

(This paper contains 2 pages)

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- c) Write the principle and procedure for the following : (4+4)  
i) White liniments ii) Calamine lotions.
- d) Write the differences between : 6  
i) Eyedrops Vs eardrops  
ii) Suspension Vs Emulsions.
4. a) Identify the type of incompatibility in the following prescription and write the method to overcome. 7
- |                       |       |
|-----------------------|-------|
| IR, Sodium salicylate | 15 gm |
| Caffeine citrate      | 10 gm |
| Water                 | 75 mi |
- b) Write the method of preparation of the following : 7  
i) Effervescent of granules ii) Cold cream.
- OR
- c) Explain various classes of incompatibilities by giving suitable examples. 9  
Mention methods to overcome them.
- d) Write the different methods of preparation of suppositories. 5
5. a) Discuss in brief about continuous hot percolation with suitable examples. 9
- b) Write a note on containers of medicinal gases. 5
- OR
- c) Discuss in detail about therapeutic and diagnostic uses of 7  
Radiopharmaceuticals.
- d) Define Tinctures and Extracts. Write some official preparation of Tinctures 7  
as per I.P.