

**FACULTY OF PHARMACY****B. Pharmacy I Year (Main) Examination, June 2013****Subject: Pharmaceutics – I (General and Dispensing Pharmacy)****Time: 3 Hours****Max.Marks: 70****Note: Answer all questions. All questions carry equal marks.**

- 1.(a) Discuss about the development of pharmaceutical education in India. (7)  
(b) Write a note on Indian Pharmacopoeia. (7)  
**OR**  
(c) Convert the following:  
i) 30° OP and 80° UP to percentage volume / volume. (10)  
ii) Prepare 600 ml of 60% alcohol from 95% alcohol  
(d) Send 250 ml of 4% potassium permanganate solution and label with directions for preparing 1 litre quantity of a 1 in 2500 solution. (4)
- 2.(a) Discuss the sources of errors which occur during handling and dispensing of prescription and add a note on rectification. (7)  
(b) Write a note on various additives used in dispensing products. (7)  
**OR**  
(c) Define the following dosage forms (14)  
i) Mixtures ii) Douches iii) Pessaries (iv) Effervescent granules  
v) Inhalations vi) Gargles vii) Spirits
- 3.(a) Write in detail about the methods for preparation of emulsions. (10)  
(b) Discuss about the identification tests for determination of type of emulsions. (4)  
**OR**  
(c) Write the principle and procedure of the following preparations: (6)  
i) Calamine lotion ii) Milk of magnesia  
(d) Discuss about the following instability terms of emulsions. (2+3+3)  
i) Creaming ii) Cracking iii) Phase inversion
- 4.(a) Discuss about the different bases used in the preparation of suppositories. (10)  
(b) Identify the type of incompatibility in the following prescription and add a note on how to overcome. (4)  
Rx  
Menthol - 5 g, Camphor - 5 g, Thymol - 5 g  
make an insufflation powder.  
**OR**  
(c) Discuss about the types of jellies and their preparation with an example. (6)  
(d) Write about the preparation of the following:  
i) Camphor liniment ii) Simple ointment iii) Cold cream (2+3+3)
- 5.(a) Discuss in detail about preparation, therapeutic and diagnostic uses of any two radio pharmaceuticals. (14)  
**OR**  
(b) Write about the official medicinal gases and their uses. (7)  
(c) Discuss about the official tinctures and their preparations for atleast one. (7)

\*\*\*\*