

FACULTY**B. Pharmacy I Year (Main) Examination, May 2016****Subject : Pharmaceutics I (General and Dispensing Pharmacy)****Time : 3 Hrs****Max . Marks: 70****Note: Answer all questions. All questions carry equal marks.**

- 1 (a) Discuss about the career opportunities available for Pharmacy profession. (7)
(b) Discuss about development of education in India. (7)
OR
(c) Convert 70° UP and 40° OP to percentage v/v of alcohol. (6)
(d) Calculate the quantity of sodium chloride required to prepare 400 ml of a 0.9 percentage of solution. (4)
(e) Calculate the dose for a child of 4 years, when the adult dose of drug is 100 m. (4)
- 2 (a) Define Prescription. Describe various parts of prescription with suitable examples. (7)
(b) Write about sources of errors in handling of prescription and care required in dispensing prescriptions. (7)
OR
(c) Define a dosage form. Classify dosage forms and write their advantages and limitations. (6)
(d) Write a short note on containers and closures. (4)
(e) Write a short note on labeling and packing. (4)
- 3 (a) What are syrups? Write brief note on different methods of preparation of syrups with examples. (5)
(b) What are aromatic waters? Describe different methods used to prepare Aromatic waters. (5)
(c) Write short note on Emulsifying agents. (4)
OR
(d) Define Emulsion. Describe different types and methods of preparation of emulsions. (6)
(e) Write about the formulation of suspensions with suitable examples. (5)
(f) Differentiate between lotions and liniments. (3)
- 4 (a) What are the different bases used in preparation of ointments? (7)
(b) What are suppositories? What are the different bases used in preparation of suppositories? Write different methods of preparation of suppositories. (7)
OR
(c) Define Incompatibility. Explain different types of incompatibility with examples. (8)
(d) Identify the type of incompatibility in the following prescription and add a note on how to overcome the incompatibility.
R_x Sodium bicarbonate – 1.5 , Borax – 1.5 , Phenol – 0.75 , Glycerin – 25.00 ,
Water – up to 100.00 ml. Prepare a spray solution. (6)
- 5 (a) What is the process of extraction? Discuss various methods of preparation of Tinctures and Extracts. (6)
(b) Explain continuous hot percolation process with neat labeled diagram. (8)
OR
(c) Write a note on preparation and therapeutic applications of radio pharmaceuticals. (6)
(d) What are official medicinal uses and uses? Discuss about containers, handling and storage of medicinal uses. (8)
