

B. Pharmacy I – Year (Supplementary) Examination, November 2017**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 are ideal weighing techniques to minimize the errors? 5
b) Write a note on minimum weighable quantities. 3
c) What is Pharmacopoeia? Write a short note on U.S.P. 6
OR
d) Prepare 500 ml of 20% alcohol from 95% of alcohol. 5
e) Convert 60° UP and 20° OP to percentage V/V of alcohol. 5
f) Calculate the dose for child of 16kg weight, when the adult dose of drug is 80mg. 4
- 2 a) What are desirable qualities of containers for packing of pharmaceuticals? 6
b) Define Prescription. Explain various parts of prescription with example. 8
OR
c) Discuss the sources of errors and care required in dispensing of prescription. 8
d) Write a note on i) Gargles ii) Mixtures iii) Spirits 6
- 3 a) Write the principle and procedure involved in the preparation of
i) Calamine lotion ii) Peppermint water 5
b) Distinguish the following : i) Aromatic waters and spirits
ii) Suspensions and Emulsions iii) Gargles and Throat paints 9
OR
c) What are mixtures? Classify different types of mixtures. Discuss general procedure for dispensing mixtures. 8
d) What are emulsions? Write about emulsifying agents. 6
- 4 a) What are suppositories? Write about different suppository bases and method of preparation of suppositories. 7
b) Write a note on gelling agents used for preparation of jellies. 4
c) Write a note on Displacement value. 3
OR
d) Identify the type of incompatibility in the following prescriptions and add a note on how to rectify the incompatibility. 14
i) **RX** Menthol-5 gm, Camphor-5 gm, Ammonium chloride-30 gm, Light magnesium oxide-60gm. Make an Insufflation.
ii) **RX** Sodium bicarbonate-1.5gm, Borax-1.5gm, Phenol-0.75 gm, Glycerine-25gm, Purified water-up to 100 ml. Make a spray solution.
iii) **RX** Ferric chloride solution-2 ml, Sodium salicylate-4 gm, Purified Water-up to 90.00 ml. Prepare a mixture.
iv) **Rx** Tetracycline HCL-25 mg. Take along with milk.

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- 2 -

- 5 a) What is the process of extraction? Explain the continuous hot percolation with neat labeled diagram. 8
- b) Define tinctures and extracts. Write some official preparation of tinctures as per I.P. 6

OR

- c) Write a note on containers and fittings used for medicinal gases. 7
- d) Discuss in detail about preparation, therapeutic and diagnostic uses of any two radio pharmaceuticals. 7
