

**FACULTY OF PHARMACY****B. Pharmacy I-Year (Non-CBCS) (Backlog) Examination, January 2020****Subject : Pharmaceutics-I (General and Dispensing Pharmacy)****Time: 3 Hrs****Max Marks: 70****Note: Answer any all questions. All questions carry equal marks.**

1. a) What is Pharmacopoeia? Write abt features of Indian Pharmacopoeia 7  
b) Discuss abt the career opportunities available for Pharmacy profession 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 400ml 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 mg. 4
2. a) Define Prescription. Describe vari s parts of prescription with suitable examples. 7  
b) Write abt srces of errors in handling of prescription and care r equired in dispensing of prescriptions. 7  
**OR**  
c) Define a dosage form. Classify dosage forms and write their advantages and limitations of dosage form? 6  
d) Write a short note on containers and closures 4  
e) What are desirable qualities of containers for packing of pharmaceuticals? 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 i) Gargles ii) Collodions 4  
**OR**  
d) Define Emulsion? Describe different types and methods of preparation of emulsions? 7  
d) Differentiate between i) Lotions and Liniments ii) Emulsions and Suspensions 7
4. a) What are ointments? Write abt the dif ferent 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) Write a note on Effervescent granules 3  
d) Define Incompatibility? Explain physical incompatibility with examples? 6  
e) Identify the type of incompatibility in the following prescription and add a note on how to overcome the incompatibility  
**R<sub>x</sub>** Sodium bi carbonate – 1.5g, Borax – 1.5g, Phenol – 0.75g, Glycerin – 25.00g, Water – up to 100.00 ml. Prepare a spray solution. 5
5. a) What is extraction? Discuss varis methods extraction. Explain the preparation of Tinctures and Extracts. 7  
b) Explain soxhlet continus hot percolation process with neat labeled diagram. 7  
**OR**  
c) Write a note on preparation and therapeutic applications of radio pharmaceuticals. 7  
d) Discuss the containers, fittings, handling and storage of medicinal gases. 7

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