

**B.Pharm. Semester—I (C.B.S.) Examination**  
**PHARMACEUTICS—I**  
**(General and Dispensing)**  
**Paper—I**

Time : Three Hours]

[Maximum Marks : 80

- N.B. :—** (1) Question No. **1** is compulsory.  
(2) Solve any **FOUR** questions from the remaining.  
(3) Draw neat labelled diagram wherever necessary.  
(4) Discuss the reaction, mechanism wherever necessary.  
(5) Use of electronic calculator is permitted.  
(6) Assume suitable data wherever necessary.

1. Solve any **five** out of **seven** :

- (a) Write English meanings for the following Latin terms :  
(i) Aqua distillate  
(ii) Pulvis  
(iii) Dolore urgent  
(iv) Post cibos.
- (b) Define the following pharmacological terms :  
(i) Antibiotic  
(ii) Synergism  
(iii) Therapeutic effect  
(iv) Emollient.
- (c) Define the term container. Give the qualities of a good container.
- (d) What is the dose of a drug for an average adult patient if the dose of a drug is 45 mg/m<sup>2</sup> ?
- (e) Differentiate between the following :  
(i) Lotion and liniment  
(ii) Syrup and elixir.
- (f) Define jellies. Describe in brief the ingredients used for formulation of jellies.
- (g) Explain the term drug and dosage form. 5×4=20

2. (a) Define posology. Discuss factors affecting dose of drug. 8  
(b) Explain various ointment bases in detail. 7

3. (a) Define the term prescription. Discuss about handling and pricing of prescription. 8  
 (b) Classify in detail liquid dosage form. Give a detailed account of gargles and linctus. 7
4. (a) What are aromatic water ? Discuss about preparation of aromatic water by various methods. 8  
 (b) Enlist various compendias used as pharmaceutical literature. Discuss about I.P. and U.S.P. 7
5. (a) Classify the dosage forms on the basis of route of administration. 8  
 (b) What are the desirable properties and need of dosage form ? 7
6. (a) What are tinctures ? Discuss the components and methods of preparation of tinctures. 8  
 (b) Ephedrine hydrochloride about 25 mg can be given to an adult. What will be the dose for a nine month old infant and a child of 4 years ? 7
7. Write short notes on (any **three**) :
- (a) Enemas  
 (b) Mouthwash  
 (c) Spirits  
 (d) Eye drop  
 (e) British pharmaceutical codex. 3×5=15