

B.Pharm. Semester—I (C.B.S.) Examination
PHARMACEUTICS–I (General and Dispensing)
Paper–1

Time : Three Hours]

[Full Marks : 80

N.B. :— (1) Question No. **1** is compulsory.

(2) Attempt any **FOUR** questions out of remaining.

(3) Draw neat labelled diagram wherever necessary.

(4) Assume suitable data wherever necessary.

(5) Use of electronic calculator, excluding programmable calculator is permitted.

1. Solve any **FIVE** questions :

(a) Give the ideal properties of ointment bases.

(b) What are aromatic waters ? Classify them with suitable examples.

(c) Define the following terms :

(i) Liniments

(ii) Spirits

(iii) Antagonism

(iv) Idiosyncrasy.

(d) Calculate the dose for a child of 8 years using Young's formula, if the adult dose is 240 mg.

(e) Translate the following Latin terms into English :

(i) Bis in die

(ii) Omni note

(iii) Post cibos

(iv) Aqua.

- (f) Differentiate between :
- (i) Pastes and jellies.
 - (ii) Lotions and liniments.
- (g) What are Syrups ? Give the concentration of sucrose in simple syrup as per I.P. and U.S.P. 5×4=20
2. (a) What do you mean by Posology ? Describe the various factors affecting dose. 8
- (b) Describe the method of preparation of aromatic waters. 7
3. (a) Describe in detail the development of Indian Pharmacopoeia. 8
- (b) What are Jellies ? Discuss the different type of jellies. 7
4. (a) What is Prescription ? Describe in detail the parts of prescription. 8
- (b) Classify the routes of drug administration in detail. 7
5. (a) What are Ointments ? Classify and discuss in detail the ointment bases with suitable examples. 8
- (b) Describe the following liquid dosage forms for external administration :
- (i) Mouthwashes
 - (ii) Gargles. 7
6. (a) Discuss the formulation and preparation of syrups in detail. 8
- (b) List the different formulae for the calculation of dose for children. 7
7. Write short notes on (any **THREE**) :
- (a) Dosage form and its desirable properties.
 - (b) Handling of prescription.
 - (c) Overview of status of pharmaceutical industry in India.
 - (d) Elixirs.
 - (e) Eye drops. 5×3=15