

B. Pharm. Semester-II (C.B.S.) Examination
PHARMACEUTICS-II (General & Dispensing)
Paper-I (2T1)

Time—Three Hours]

[Maximum Marks—80

- N.B.:-**
- (1) Question No. 1 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** of the following :
 - (a) Find concentration of sodium chloride required to make 1% solution of boric acid, isotonic with blood plasma (Freezing point depression of 1% w/v boric acid solution is -0.29° C.
 - (b) Write a note on creaming and cracking of emulsion.
 - (c) Calculate the real strength of 30° O.P. and 40° U.P.

- (d) What is primary emulsion ? Give the compositions for fixed, volatile and mineral oil.
- (e) Differentiate between hard and soft gelatin capsule.
- (f) Write a note on dentifrices.
- (g) Comment on composition of blood. $4 \times 5 = 20$
2. (a) Define emulsion. Give its identification test. 7
- (b) Classify various emulsifying agents. 8
3. (a) Classify suppository bases with examples. Comment on displacement value of drug. 7
- (b) Classify different types of powders. Comment on effervescent granules composition and their preparation. 8
4. (a) Compare the processing of tablets by three different methods. 7
- (b) Explain in detail sugar coating process of tablet. 8
5. (a) Describe shape, sizes and preparation of hard gelatin capsules by hand operated capsule filling machine. 7
- (b) Explain the preparation of surgical catgut. 8
6. (a) Explain the process of percolation with suitable diagram. 7
- (b) Enlist different types of tablet. Comment on various excipients use to prepare tablet by wet granulation method. 8
7. Write short notes on any **THREE** :
- (a) Flocculated and deflocculated suspension
- (b) Evaluation of tablets
- (c) Maceration process
- (d) Suspending agents. 15