

TKN/KS/16/6975

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.

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