

**B.Pharm. Seventh Semester (C.B.S.) Examination****PHARMACEUTICS (DFT-I) (Conventional)****Paper—1**

Time : Three Hours]

[Maximum Marks : 80

- N.B. :—** (1) Question No. 1 is compulsory.  
(2) Attempt any **FOUR** questions out of remaining.  
(3) All questions carry marks as indicated.  
(4) Draw neat labeled diagram wherever necessary.

1. Answer the following (any **FIVE**) :
  - (a) Explain the role of plasticizer in soft gelatin capsules.
  - (b) Differentiate between wet and dry granulation.
  - (c) Discuss briefly about presentation of ointments.
  - (d) Explain the disintegration test of tablets.
  - (e) Briefly discuss about ingredients used in eye drop formulations.
  - (f) Give a brief account of directly compressible vehicles.
  - (g) Discuss the various routes of parenteral administration. 5×4=20
2. Describe in detail the preformulation considerations for dosage form development. 15
3. What are pyrogens ? Describe the various quality control tests for parenterals. 15
4. (a) Describe in detail about the various ointment bases used in the manufacturing of ointments. 10
  - (b) Give the classification of cosmetics. 5
5. (a) Discuss about various facilities required for sterile production. 10
  - (b) Describe the preparation of capsule shells of hard gelatin capsules. 5
6. Describe in detail about tablet processing problems and defects. 15
7. Write short notes (any **THREE**) :
  - (a) Dentifrices
  - (b) Wet granulation method of tablet processing
  - (c) Sugar coating
  - (d) Suppository bases. 3×5=15