

KNT/KW/16/6576

B.Pharm. Semester–VII (C.B.S.) Examination
PHARMACEUTICS (DFT–I) CONVENTIONAL
Paper – 1

Time : Three Hours]

[Full Marks : 80

N.B. :— (1) Q. No. 1 is compulsory.(2) Attempt any **FOUR** questions out of remaining.

(3) All questions carry equal marks.

(4) Draw neat labelled diagram wherever necessary.

(5) Assume suitable data wherever necessary.

(6) Discuss the reaction, mechanism wherever necessary.

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

1. Answer the following (any **five**) :

(a) Discuss the ideal characteristics of suppository bases.

(b) Describe wet granulation technique of tablet manufacturing.

(c) Give the classification of cosmetics and add a note on cold cream.

(d) Discuss the defects in film coating of tablets.

(e) Explain the bloom strength of gelating solution.

(f) Discuss directly compressible vehicles with suitable examples.

(g) Give the base adsorption factor in relation to soft gelatin capsules. 5×4=202. (a) Discuss in detail the official quality control tests for tablets. 8(b) Give a detailed account of processing problems and defects during tablet manufacturing. 73. Describe the preformulation considerations for dosage form development. 154. (a) Give the process of manufacturing of soft gelatin capsules. 8(b) Explain the role of plasticizers in soft gelatin capsules. 75. Describe the various types of ointment bases with suitable examples. Also elaborate on factors affecting selection of the base. 156. (a) Discuss pyrogen test and sterility test for sterile dosage forms. 8(b) What is isotonicity ? Explain the freezing point depression method for its adjustment. 77. (a) Discuss various facilities required for sterile production. 8(b) Explain various factors affecting drug absorption from suppository bases. 7