

NKT/KS/17/6576

B. Pharm. Seventh Semester (C.B.S.) Examination**DOSAGES FORM TECHNOLOGY-I****(Pharmaceutics Conventional)****Paper-1**

Time : Three Hours]

[Maximum Marks : 80

N.B. :— (1) Question No. 1 is compulsory.(2) Attempt any **FOUR** questions.

(3) Draw neat labelled diagram wherever necessary.

1. Solve any **FIVE** :

(a) Define preformulation. Give objectives of preformulation studies.

(b) Name any two examples of following additives of sterile dosage forms :

(i) Antioxidants

(ii) Solubilizers

(iii) Buffers

(iv) Tonicity adjusters.

(c) What are different reasons for weight variation in manufacturing of tablets ?

(d) Give different ingredients used in tooth pastes with examples.

(e) State the advantages of hard gelatin capsules.

(f) Define displacement value. Give its significance in the preparation of suppositories.

(g) Explain in short about preservation of ointments.

5×4=20

2. (a) Describe in detail manufacturing of soft gelatin capsules.

8

(b) Write in brief direct compression method for manufacturing of tablets.

7

3. Describe the various film defects in film coating operation with remedies to overcome them.

15

4. Discuss various quality control tests for sterile dosage forms.

15

5. (a) Describe factors affecting drugs absorption from various suppositories.

10

(b) Give classification of cosmetics.

5

6. Explain various ointment bases and their application in formulation.

15

7. Write short notes on (any **THREE**) of following:

(a) Moisturizing creams

(b) Crystal structure and polymorphism

(c) Sugar coating

(d) Softgels.

5×3=15

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