

Total No. of Questions : 6]

SEAT No. :

P1989

[5145]-501

[Total No. of Pages : 2

T.Y.B.Pharm.

**INDUSTRIAL PHARMACY - I
(2013 Pattern) (Semester - V)**

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *All questions are compulsory.*
- 2) *Answer to the two sections should be written in separate books.*
- 3) *Neat diagrams must be drawn wherever necessary.*
- 4) *Figures to the right indicate full marks.*

SECTION - I

Q1) Discuss in detail IPQC tests for tablet. **[10]**

OR

Discuss in detail different additives used in tablet formulation.

Q2) Answer any five. **[15]**

- a) Discuss wet granulation process with example.
- b) Give the importance of dissociation of drug and pH at GIT with respect to absorption.
- c) Give detail account on mechanism of granulation.
- d) Write a note on co-processed excipients.
- e) Discuss chilsonator roller compaction process.
- f) Discuss Extrusion and Spheronization.
- g) Discuss types of tablet.

Q3) Solve any two: **[10]**

- a) Discuss defects in tablet. Give its remedies.
- b) Discuss biopharmaceutical consideration for dosage form design.
- c) Discuss force volume relationship in table manufacturing.
- d) Give detail account on evaluation of granules.

P.T.O.

SECTION - II

Q4) Discuss in details the process of Manufacturing of Hard Gelatin Capsule. **[10]**

OR

Enlist different types of Tablet Coating Pans and Discuss in detail any two coating pans.

Q5) Solve any five. **[15]**

- a) Discuss Shell Hardness ratio and their uses.
- b) Write about Glatt immersion sword system?
- c) Discuss various enteric coating materials?
- d) Discuss in detail Film coating Defects.
- e) Discuss Electrostatic coating process?
- f) What do you mean by Rotoweight and Rotosort.
- g) Discuss weight variation test of capsules as per USP.

Q6) Solve any two: **[10]**

- a) Discuss in details variables involved in sugar coating.
- b) Add note on Fluidized Bed Coating.
- c) Write a note on Accela-coata and Dria coater.
- d) IPQC test for Capsules as per I.P.

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