

UKA TARSADIA UNIVERSITY

M. Pharm (2nd Semester)

Subject: 0400120202 - Pharmaceutical Technology II

Time : 2:30 pm to 5:30 pm

Date : 30/11/2013

Duration: 3 hrs

Max. Marks: 70

Section - I

Q.1. a) Give the advantages and disadvantages of Hard Gelatin Capsules. (4+7=11)

or

- a) Give the advantages and disadvantages of Soft Gelatin Capsules.
- b) Explain quality control tests of hard and soft gelatin capsules.

Q.2 a) Explain the classification of tablet tooling. How maintenance of tablet tooling is done? (6+6=12)

or

- a) Differentiate B tooling and D tooling. Discuss the materials used in tablet tooling
- b) Describe various IPQC tools for the evaluation of tablets. Explain F1 and F2 in case of dissolution of tablets.

Q.3 Answer any **THREE** of the following: (4 X 3 + 12)

- a) Advancements in granulation
- b) Colloidal dispersions
- c) Emulsion instability
- d) Rheological properties

Section - II

Q.4 a) What are the reasons of pelletization? Write a note on evaluation of pellets. (6+5=11)

or

- a) Enlist the techniques of pelletization. Write a note on layering method.
- b) Explain spray drying with a schematic diagram.

Q.5. How is chewable tablet formulated and evaluated? Explain with examples. (12)

or

How sublingual and buccal tablets are prepared and evaluated. Explain with examples.

Q.6. Answer any **THREE** of the following: (4 X 3 + 12)

- a) Thixotropy and Rheopexy
- b) Sedimentation & Stokes law
- c) Crystal growth and polymorphism
- d) Multiple compressed tablets