

Rajiv Gandhi Proudyogiki Vishwavidyalaya

M.Pharm (I Sem) Examination December-2014

Advance Pharmaceutical Technology (MPY-105 PCs)

MAX MARKS: 70

MAX TIME: 3 HOURS

Note: Attempt any five questions. All questions carry equal marks

Q. No. 1. Discuss tablet compression tooling and equipment with layout. Describe formulation and manufacturing of multilayer tablets and floating tablets.

Q. No. 2. What are the advantages of tablet coating? Discuss advanced equipments used in film coating of the tablets and evaluation of coating.

Q. No. 3. Discuss the Supercritical fluid and Pelletization techniques under the following headings a) Principle b) Equipments used c) Advantages and disadvantages d) Uses

Q. No. 4. Define and classify cosmetics. Write a preparation and quality control of shampoos and lipsticks.

Q. No. 5. Write various factors that should be consider during the formulation of parentral dosages form. Write a detail note on the formulation of parentrals.

Q. No. 6. Describe newer concepts and technology involved in manufacturing of semisolid dosage form. Write a short note on trouble shooting and evaluation of ointments.

Q. No. 7. Discuss formulation of stable suspension. Discuss the various types of unstability of emulsion.

Q. No. 8. Write short note any two of following

- a. Role of computer in tablet process control
- b. Trouble shooting and evaluation of capsules.
- c. Equipments with layout used in capsule manufacturing
- d. Preparation and quality control of creams