

FACULTY OF PHARMACY

B. Pharmacy V-Semester (PCI) (Backlog) Examination, September 2021

Subject: Industrial Pharmacy – I

Time: 2 Hours

Max. Marks: 75

Note: Answer any seven questions Part – A, any one question from Part – B and any five question from Part – C.

PART – A (7 x 3 = 21 Marks)

- 1 Define Polymorphism.
- 2 Classify tablets and give ideal characteristics of tablets.
- 3 Give formulation of suspension.
- 4 Write a note on sizes of hard gelatin capsules.
- 5 What are pellets? Give advantages of pellets.
- 6 Mention different evaluation tests for parenterals.
- 7 What are Tonicity modifiers?
- 8 What is the use of Abrasives in the formulation of tooth pastes?
- 9 What is Orange peel effect in tablet coating?
- 10 What are the unofficial tests for evaluation of tablets?

PART – B (1 x 14 = 14 Marks)

- 11 Explain the study of physical characteristics during preformulation.
- 12 (a) Explain perforated coating pans.
(b) Write a brief note on filing of capsules.
- 13 (a) Explain pyrogen test for parenterals.
(b) Discuss about the formulation of pharmaceutical aerosols.

PART – C (5 x 8 = 40 Marks)

- 14 How flow properties of powders are measured?
- 15 Explain about hardness and friability testing of tablets.
- 16 Write a brief note on manufacturing defects in tablet coating.
- 17 Explain formulation considerations of liquid dosage forms.
- 18 Explain weight variation test and content uniformity test for capsules.
- 19 Enlist techniques of pelletization. Explain advantages of pellets over conventional dosage forms.
- 20 Write a brief note on sterile powders.
- 21 Explain Draize eye test for ophthalmics.
- 22 Explain the factors affecting selection of pharmaceutical packaging materials.
