

PARUL UNIVERSITY
FACULTY OF PHARMACY
Pharm.D Winter 2019 – 20 Examination

Year: 3**Subject Code: 08207306****Subject Name: Pharmaceutical Formulations****Date: 24/12/2019****Time: 10:00am to 1:00pm****Total Marks: 70****Instructions**

1. Figures to the right indicate maximum marks.
2. Make suitable assumptions wherever necessary.

Q.1 Essay Type Questions. (any 2 out of 3) (15 Mark Each) (30)

1. Define and give objectives of tablet. Explain various methods for tablet manufacturing with their advantages.
2. Enlist different methods used for preparation of soft gelatin capsules. Describe Rotary die process with labeled diagram and explain the evaluation parameters for SGC.
3. What are pyrogens? Explain the sources of pyrogens and the importance of its removal from parenterals. Discuss QC evaluations required for parenterals.

Q.2 Short Essay Type Questions. (any 4 out of 5) (5 Mark Each) (20)

1. Give the sources of water and explain different methods of preparation of WFI along with its desired storage conditions.
2. Discuss different stages of sugar coating and excipients used at each stage of coating.
3. Define and classify suspension. How do the suspensions stabilized?
4. Explain the Bloom strength, Viscosity and Iron content of Gelatin for capsule formulation.
5. Write a note on Transdermal drug delivery system.

Q.3 Short Answers. (2 Mark Each) (20)

1. Define and classify Pharmaceutical Dosage forms.
2. Define and classify ointment bases.
3. Write a short note on Total Parenteral Nutrition.
4. Write in brief about the Structured vehicles used in suspension.
5. Define Ophthalmic preparations with important labeling instruction.
6. Differentiate Ointments and Pastes.
7. Give the identification tests for emulsion.
8. Write about different types of Jelly.
9. Give advantages and disadvantages of NDDS.
10. Brief on different approaches for oral novel drug delivery system.