

Seat No: _____

Enrollment No: _____

PARUL UNIVERSITY
FACULTY OF PHARMACY
Pharm.D May – 2018 Examination

Year: 3

Subject Code: 08207306

Subject Name: Pharmaceutical Formulations

Date: 18/05/2018

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 tablet and explain various methods for tablet manufacturing. Enlist advanced granulation techniques with advantages of the same.
2. Describe Rotary die process for soft gelatin capsule preparation with labeled diagram. Discuss Quality control parameters for capsules.
3. Define and classify suspension with its ideal characteristics. Discuss the stability of suspension.

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

1. Discuss the stages of sugar coating with examples of excipients used.
2. What are pyrogens? Explain the sources of pyrogens in parenterals.
3. Describe quality control tests for parenterals.
4. Define ointment and ointment bases. Classify ointment bases and explain oleaginous bases in brief.
5. Explain various Buccal DDS with concepts of CDDS.

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

1. Define and classify Pharmaceutical Dosage forms.
2. Explain the Bloom strength, Viscosity and Iron content of Gelatin for capsule formulation.
3. Define and discuss Ophthalmic preparations.
4. Write about Structured vehicles in brief.
5. Differentiate Ointments and Pastes.
6. Brief on Water for Injection.
7. Write a short note on Lyophilisation of parenteral formulations.
8. Discuss different types of Jelly.
9. Give advantages of Transdermal drug delivery systems.
10. Brief on different approaches of NDDS.