

Seat No: _____

Enrollment No: _____

PARUL UNIVERSITY
FACULTY OF PHARMACY
Pharm.D, April - 2019 Examination

Year: 3

Subject Code: 08207306

Subject Name: Pharmaceutical Formulations

Date: 27/04/2019

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 the properties of Tablet. Enlist different types of tablets and explain any two types of tablets in detail as per their applications.
2. Describe Rotary die process for soft gelatin capsule preparation with labeled diagram. Discuss Quality control parameters for HGC and SGC.
3. What do you mean by WFI? Give the sources of water and explain different methods of preparation of WFI along with its storage in detail.

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. How do the suspensions stabilized?
3. Explain the Bloom strength, Viscosity and Iron content of Gelatin for capsule formulation.
4. Define ointment and ointment bases. Classify ointment bases and explain oleaginous bases in brief.
5. Explain Oral DDS with concepts of CDDS.

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

1. Define and classify Pharmaceutical Dosage forms.
2. Which are the important Identification tests for Emulsion? Brief on it.
3. Define and discuss Ophthalmic preparations.
4. Write about Structured vehicles in brief.
5. Differentiate Ointments and Pastes.
6. Give a flow diagram of various stages involved in manufacturing of parenteral products.
7. Explain the in-vivo test for pyrogens.
8. Brief on different types of Jelly.
9. Comment on:
 - a) Overfilling as well as Lubrication of moulds is essential.
 - b) White soft paraffin is not useful for preparation of ophthalmic ointment.
10. Brief on different approaches of NDDS.