

Total No. of Questions : 8]

[Total No. of Pages : 01

III/VI PHARM - D DEGREE EXAMINATIONS, JULY - 2022

Third Year

PHARMACEUTICAL FORMULATION

Time : Three Hours

Maximum : 70 Marks

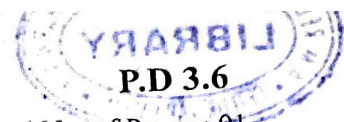
Answer any FIVE Questions.

5x14 = 70 M

All Questions carry equal marks

1. Explain the different granulation techniques. Discuss the official quality control studies of tablets.
2.
 - a) Classify pharmaceutical dosage forms.
 - b) Explain the steps involved in sugar coating of tablets.
3.
 - a) Explain the methods of manufacturing soft gelatin capsules.
 - b) Discuss ointment bases used in ophthalmic preparations.
4.
 - a) Explain the advantages of parenteral preparations.
 - b) Discuss the different additives used in parenteral formulations.
5.
 - a) Define jellies. Explain different types of jellies.
 - b) Discuss bloom strength and creaming.
6.
 - a) Explain the methods of formulation and identification of emulsions.
 - b) Describe friability test process.
7.
 - a) Write a note on Nasal Drug Delivery System and explain about the mechanism of absorption enhancers.
 - b) Write a note on implants.
8.
 - a) Describe ocular drug delivery systems.
 - b) Explain mottling and chipping.





III/VI Pharma.D (Regular) DEGREE EXAMINATIONS, APRIL-2019

Third Year

PHARMA-D

PHARMACEUTICAL FORMULATIONS

Time: Three Hours

Maximum marks:70

Answer any FIVE questions.

All questions carry equal marks.

5X14=70M

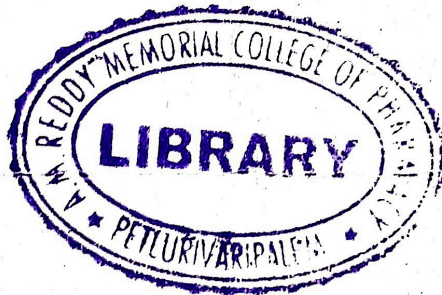
1. Mention the significance of routes of administration and write about the classification of dosage forms and explain their relative advantages with suitable examples.
2.
 - a) Explain the different granulation techniques for the manufacture of tablets mentioning their advantages.
 - b) Explain the process of sugar coating. What are its defects?
3.
 - a) Write about the advantages of hard gelatin capsules. Mention the types of gelatin used in the preparation of hard gelating capsules.
 - b) Explain any one method for the preparation of suspensions.
4.
 - a) Enumerate the excipients used in the preparation of suspensions.
 - b) Give the classification of emulsifying agents with suitable examples and discuss their merits.
5.
 - a) Write about formulation additives for parenteral products?
 - b) Name the official quality control tests for parenteral products and explain the test for sterility in detail.
6.
 - a) Mention the advantages of suppositories and enumerate the bases for their preparation.
 - b) Write about the methods of sterilization for ophthalmic ointments.
7.
 - a) What are controlled drug delivery systems and write about their advantages and disadvantages.
 - b) Give the classification of transdermal drug delivery systems and write about the excipients used in their preparation.
8. Write short notes on the following:
 - a) Disintegration test for tablets as per I.P
 - b) Preservatives for ophthalmic preparations
 - c) Evaluation of emulsions



III/VI PHARMA.D (Regular) DEGREE EXAMINATIONS, JULY- 2017**THIRD YEAR****PHARMACEUTICAL FORMULATIONS****Time: Three Hours****Maximum marks:70****Answer any FIVE questions.****All questions carry equal marks.****5X14=70M**

1. a) With the help of a neat diagram explain the layout of small volume parenteral unit.
- b) Name the official quality control tests for parenteral products and explain the test for sterility in detail.
2. a) Mention the advantages of suppositories and write about the bases for their preparation.
- b) Briefly describe the methods of sterilization for ophthalmic ointments.
3. a) Enumerate the excipients used in the preparation of suspensions.
- b) Give the classification of emulsifying agents with suitable examples and discuss their merits.
4. a) Write about the advantages of hard gelatin capsules. Mention the types of gelatin used in the preparation of hard gelatin capsules.
- b) Explain any one method for the preparation of soft gelatin capsules.
5. Write short notes on the following:
 - a) Disintegration test for tablets as per I.P.
 - b) Preservatives for ophthalmic preparations.
 - c) Evaluation of emulsions
6. a) Explain the granulation techniques for the manufacture of tablets mentioning their advantages.
- b) Explain the process of sugar coating.

7. a) Write about the advantages and disadvantages of controlled drug delivery systems.
- b) Give the classification of transdermal drug delivery systems and write about the excipients used in their preparation.
8. a) Give the classification of dosage forms based on the route of administration and discuss their relative merits.
- b) Write about types of packing used for semisolids.



Total No. of Questions :08]

P.D 3.6

[Total No. of Pages : 01

III/VI Pharm.D (Regular) DEGREE EXAMINATIONS, JULY/AUG-2016

Paper VI-PHARMACEUTICAL FORMULATIONS

Time: Three Hours

Maximum marks:70

Answer any FIVE questions.

All questions carry equal marks.

1.
 - a) Write about the excipients used in the preparation of soft gelatin capsules citing suitable examples.
 - b) Briefly describe the official quality control tests for capsules with their limits of acceptance.
2.
 - a) What is a controlled drug delivery system? Mention the advantages and disadvantages of these systems.
 - b) Write about transdermal drug delivery systems and their advantages.
3.
 - a) Give the classification of types of tablets with suitable examples.
 - b) What are the differences between wet granulation and dry compression? Explain the process of wet granulation.
4.
 - a) Give a detailed note on the excipients used in the preparation of parenterals.
 - b) Explain the pyrogen testing of parenterals products as per official procedure.
5.
 - a) Enumerate the materials used for packaging for semi solid dosage forms with suitable examples.
 - b) Give the classification of dosage forms based on route of administration and mention their relative merits.
6.
 - a) Write about factors influencing the selection of coating materials.
 - b) Explain the process of sugar coating and mention the problems associated with it.
7.
 - a) What are the desirable qualities of ophthalmic products. Write about the preservatives used in ophthalmic products.
 - b) Write about the methods of preparation of ointments.
8. Write short notes on the following
 - a) Weight variation test for tablets as per Indian Pharmacopoeia.
 - b) Formulation of suspensions
 - c) Instability problems of emulsions

