

PY-701**B.Pharmacy VII Semester Examination, December 2016****Pharmaceutics - VIII****(Pharmaceutical Technology - I)****Time : Three Hours****Maximum Marks : 70**

- Note:** i) Answer five questions. In each question part A, B, C is compulsory and D part has internal choice.
ii) All parts of each question are to be attempted at one place.
iii) All questions carry equal marks, out of which part A and B (Max. 50 words) carry 2 marks, part C (Max. 100 words) carry 3 marks, part D (Max. 400 words) carry 7 marks.
iv) Except numericals, Derivation, Design and Drawing etc.

1. a) What is an Enteric Coated Tablet? What is the purpose of enteric coating?
b) Enlist excipients used in manufacturing of tablet with example and purpose of use.
c) Discuss hardness test for tablets with its significance.
d) Describe in detail different tablet manufacturing processes.

OR

Discuss formulation considerations in manufacturing of soft gelatine capsule.

2. a) What is Multiple Emulsion?
b) Enumerate evaluation test for liquid dispersed systems.
c) Discuss criteria in selection of colouring agents used in liquid orals with appropriate example.
d) Discuss in detail use of following additives in manufacturing of liquid oral dosage forms.
Preservatives and Antioxidants.

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Write a note on formulation of dry syrup.

3. a) Give difference between creams and ointments.
b) Which are the different crystalline states of cocoa butter? Which crystalline form is desirable as suppository base and why?
c) Discuss any two factors affecting selection of suppository bases.
d) Write a brief note on different types of ointment bases.

OR

Write a brief note on formulation of Gels.

4. a) What are large volume parenteral's?
b) Which are evaluation test for rubber closure for parenteral preparations?
c) Which are the different grades of areas involved in manufacturing of sterile dosage form?
d) Discuss criteria in formulation of ophthalmic preparations.

OR

Discuss various evaluation tests for parenteral preparations.

5. a) Enumerate components of aerosol packaging.
b) Define propellant. Classify types of propellant.
c) What are Plasma Substitutes? Give example.
d) Discuss in detail different types of aerosol formulations.

OR

Discuss in detail manufacturing, use and storage of ligatures and catguts.

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