

Roll No .

**PY - 701****B.Pharmacy VII Semester**  
Examination, December 2015**Pharmaceutics - VIII***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) Why diluents are required for tablet compression.  
b) Explain hard and soft gelatin capsules in brief.  
c) Write various steps of film coating.  
d) Discuss evaluation and processing problems of tablet dosage forms.

OR

Discuss formulation and preparation of soft gelatin capsules.

2. a) What are gels?  
b) Differentiate between ointments and creams.  
c) Explain methods for preparation of suppositories.  
d) Discuss ointment bases in detail.

OR

Write note on packaging and evaluation of suppositories.

3. a) Explain about small volume and large volume parenterals in brief.  
b) Write note on ophthalmic suspensions.  
c) How parenteral products are sterilized?  
d) Write evaluation of parenteral products.

OR

Discuss regulatory requirements and guidelines for parenteral products.

4. a) Write advantages and disadvantages of liquid dosage forms.  
b) What are dry symptoms?  
c) Write note on excipients for liquid formulations.  
d) Discuss formulation considerations and pharmaceutical applications of aerosol preparations.

OR

Write formulation consideration and packaging of liquid dosage forms.

5. a) Write note on human normal immunoglobulin.  
b) Define ligature and catguts.  
c) Discuss plasma substitutes in brief.  
d) Write note on absorbable and non absorbable sutures.

OR

Discuss collection processing and storage of whole human blood.

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