

# PY-701(O & N)

B. Pharm. (Seventh Semester)

EXAMINATION, Dec., 2011

(Old & New Scheme)

PHARMACEUTICS – IX/VIII

(Pharmaceutical Technology – I)

[PY – 701(O & N)]

Time : Three Hours

Maximum Marks : 70

**Note :** Attempt any five questions. All questions carry equal marks.

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1. (a) What is direct compression tableting ? How is it done ? Discuss its advantages over other types of tableting techniques.  
(b) Discuss different types of capsule filling techniques giving specific advantages and limitations of each.
2. (a) Discuss how will you prepare aluminium hydroxide gel suspension on a large scale. Discuss the quality control test procedures for evaluation of the product.  
(b) What are hydrogels ? How are they prepared and evaluated ? Discuss giving suitable example.
3. (a) Discuss the layout plan of a small volume parenteral manufacturing section.  
(b) What types of bases are used for the formulation of

requirements of purified water system.

5. Discuss the processing, packaging and storage requirements of the following blood products :
  - (a) Human plasma
  - (b) Human normal immunoglobulin
  - (c) Human RBC
6. Discuss the evaluation parameters and official standards of the following products :
  - (a) Surgical cotton and gauzes
  - (b) Absorbable and non-absorbable sutures
  - (c) Hard and soft gelatin capsules
7. Write explanatory notes on the following :
  - (a) Stabilization of liquid orals and creams
  - (b) Packaging of large volume parenterals