

M.Pharm. Second Semester (Industrial Pharmacy)  
**35209 : Advanced Industrial Pharmacy - I : MIP 201**

P. Pages : 1

Time : Three Hours



AU - 0738

Max. Marks : 70

- Notes :
1. All question carry equal marks.
  2. Answer **any five** question.
  3. Illustrate your answer necessary with the help of neat sketches.
  4. Use of pen Blue/Black ink/refill only for writing the answer book.

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|----|------|--|----|
| 1. | a)   | Discuss the process of compression in detail.  | 7  |
|    | b)   | Explain the properties of tablets influenced by compression.   | 7  |
| 2. |      | Discuss the process & formulation of pelletization. Add a note on equipments for pelletization.                    | 14 |
| 3. | a)   | Discuss the formulation of layered tablets.  | 7  |
|    | b)   | Write a note on drying mechanisms.   | 7  |
| 4. |      | Classify evaporators. Discuss the principle, design & operation of multiple effect & falling film evaporators.     | 14 |
| 5. |      | Discuss the organization, personnel & basic consideration in developing the process for production of dosage form. | 14 |
| 6. |      | Explain the mode of heat transfer. Discuss the principle, design and working of any two dryers.                    | 14 |
| 7. |      | Write note on <b>any two</b> .   | 14 |
|    | i)   | Chewable tablets.  |    |
|    | ii)  | Medicated lozenges.  |    |
|    | iii) | Specialised tablets.   |    |

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