

M.Pharm. Second Semester (Industrial Pharmacy)
35212 : Selected Topics in Industrial Pharmacy - I : MIP 204

P. Pages : 1

Time : Three Hours



AU - 0741

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. | Explain sustained and controlled drug delivery system in detail with examples. | 14 |
| 2. | a) Give detail classification of polymers. Add a note on biodegradable polymers. | 8 |
| | b) Discuss properties of chitosan and cellulose derivatives. | 6 |
| 3. | Describe transdermal drug delivery system. Add a note on intravaginal system. | 14 |
| 4. | Give the design and development of microspheres with its application in pharmacy. | 14 |
| 5. | a) What is meant by resealed erythrocytes. | 8 |
| | b) Discuss niosomes in detail. | 6 |
| 6. | a) What is implantable therapeutic system. | 7 |
| | b) Write about ocular drug delivery system. | 7 |
| 7. | Write short notes on any three . | 14 |
| | a) Poloxamers. | |
| | b) Drug targeting. | |
| | c) Prodrug approach. | |
| | d) Antibodies for drug delivery. | |
