

[LA 343]

MAY 2012
M.PHARM. DEGREE EXAMINATION
FIRST YEAR
BRANCH I – PHARMACEUTICS
PAPER IV – ADVANCES IN DRUG DELIVERY SYSTEMS
Q.P. Code: 262904

Sub. Code: 2904

Time: 3 hours
(180 Min)

Maximum: 100 marks

Answer ALL questions in the same order.

I. Elaborate on:

Pages	Time	Marks
(Max.)	(Max.)	(Max.)

- | | | | |
|---|----|----|----|
| 1. Discuss in detail about liposomal drug delivery system in drug targeting to a specific site. | 17 | 40 | 20 |
| 2. Describe mucoadhesive drug delivery systems and its various methods of preparation and evaluation. | 17 | 40 | 20 |

II. Write notes on :

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|---|---|----|---|
| 1. Biodegradable polymers. | 4 | 10 | 6 |
| 2. Subdermal implants. | 4 | 10 | 6 |
| 3. Long acting penicillin preparations. | 4 | 10 | 6 |
| 4. Factors influencing colon targeting drug delivery systems. | 4 | 10 | 6 |
| 5. Ion exchange controlled drug delivery systems. | 4 | 10 | 6 |
| 6. Prodrug. | 4 | 10 | 6 |
| 7. Components in transdermal drug delivery systems. | 4 | 10 | 6 |
| 8. Give a brief account on nasal absorption and various approaches for its enhancement. | 4 | 10 | 6 |
| 9. Spansules. | 4 | 10 | 6 |
| 10. Explain design and mechanism of occuserts. | 4 | 10 | 6 |
