

Code No: IP32A/R13

M. Pharmacy II Semester Regular/ Supplementary Examinations, July-2016

ADVANCES IN DRUG DELIVERY SYSTEMS

(Common to PHARMACEUTICS, IP and PT)

Time: 3 Hours

Max. Marks: 60

*Answer any FIVE Questions
All Questions Carry Equal Marks*

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| 1. | a | Give an account on influence of pharmacokinetics of drugs in the design of controlled drug delivery systems. | 8 |
| | b | Write a note on Intophoresis. | 4 |
| 2. | a | Explain in detail about various oral controlled release drug delivery systems. | 10 |
| | b | Mention the applications of oral controlled release drug delivery systems. | 2 |
| 3. | a | Write in brief about approaches of ocular drug delivery. | 6 |
| | b | Explain the production of monoclonal antibodies. | 6 |
| 4. | a | Explain the methods of preparation of niosomes. | 10 |
| | b | Differentiate between liposomes and niosomes. | 2 |
| 5. | a | Classify and explain various methods of drug loading into erythrocytes. | 9 |
| | b | Write the specific applications of resealed erythrocytes. | 3 |
| 6. | a | Give an account of diffusion controlled implantable devices with commercially available examples. | 8 |
| | b | Give an account on permeation enhancers used in transdermal drug delivery systems. | 4 |
| 7. | a | Explain about various approaches in drug targeting to brain. | 8 |
| | b | Write a note on barriers of drug delivery to eye. | 4 |
| 8. | a | Write a brief note on drug delivery to macrophages. | 6 |
| | b | Give a brief account on delivery of drugs to lymphoid cells. | 6 |
