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Rajiv Gandhi University of Health Sciences

First Year M.Pharm Degree Examination – Nov 2011

[Time: 3 Hours] [Max. Marks: 100]

ADVANCES IN DRUG DELIVERY SYSTEMS

(RS 2 & RS 3)

Q.P. CODE: 9284

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY (Answer any TWO) **2 X 20 = 40 Marks**

1. Explain the principle advantage, disadvantage and method of manufacture of liposomal DDS
2. What are causes of poor drug availability from conventional ophthalmic preparation? Explain the design, mechanism of action of occuserts.
3. What are polymers? Explain in detail the biodegradable polymer and its applications.

SHORT ESSAY (Answer any FIVE) **5 X 10 = 50 Marks**

4. Discuss the reservoir devices in CDDS.
5. Explain the mechanism of action of copper IUD's
6. Subdermal implants.
7. Long acting insulin preparations
8. Explain prodrug with suitable examples.
9. Parentral CDDS.

SHORT NOTES **2 X 5 = 10 Marks**

10. Resealed erythrocytes.
11. Nanoparticles

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