Rajiv Gandhi University of Health Sciences
First Year M.Pharm Degree Examination – NOVEMBER 2015

[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. Discuss in details about parenteral injections as SR dosage forms with examples.

2. What are the significance and applications of targeted DDS. Discuss in detail about liposomal formulation of drug targeting.

3. Explain the principle and evaluation of osmatic pumps and occuserts.

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

4. Explain the various approaches and applications of implants.

5. Write the invitro evaluation of CDDS.

6. Differentiate between biodegradable and natural polymers.

7. Explain the Nasal drug absorption

8. Give the classification of different transdermal DDS.

9. Discuss the protein binding in SRDDS.

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

10. Monoclonal anitibodies.

11. Magnetic microspheres.

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