

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**First Semester M. Pharm Degree Examination - 22-Jul-2022**

**Time: Three Hours**

**Max. Marks: 75 Marks**

**CUSTOMIZED DRUG DELIVERY SYSTEM**

**Q.P. CODE: 5110**

Your answers should be specific to the questions asked  
Draw neat, labeled diagrams wherever necessary

**Answer All The Questions**

**10 x 7.5 = 75 Marks**

1. Define gene therapy. Explain few diseases targeted for treatment using gene drug delivery system
2. Explain in detail biological processes involved in drug targeting
3. Discuss on preparation and evaluation of pulmonary drug delivery systems
4. Write classification of rate controlled drug delivery systems. Add a note on rate programmed release drug delivery system
5. Classify polymers and write their applications in controlled DDS / Novel DDS
6. Explain about Bioelectronics Medicines and Telepharmacy
7. Explain the methods of preparation and evaluation of liposomes
8. Discuss on formulation and evaluation of creams
9. Explain different components of transdermal drug delivery systems
10. Describe causes for protein destabilization

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