

# Rajiv Gandhi University of Health Sciences, Karnataka

First Semester M. Pharm Degree Examination - 02-Jun-2023

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. Discuss in detail on diffusion controlled oral drug delivery system.
2. Explain two approaches of transdermal drug delivery systems.
3. Define targeted drug delivery systems. What is the rationality in developing such systems?
4. Discuss the various physicochemical of drugs that influences designing of sustained release products.
5. Discuss biological properties of drugs which influence designing of sustained release products.
6. Write a note on pH-controlled drug delivery systems.
7. Discuss the design and development of occuserts.
8. Explain the factors affecting transdermal permeation of drugs?
9. Write a note on Buccal Drug Delivery Systems.
10. Explain the formulation of toothpaste and toothpowder.

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