

Rajiv Gandhi University of Health Sciences, Karnataka
First Semester M. Pharm Degree Examination - 05-Jun-2024

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 the different pharmacokinetic designs for DDS-Zero and first order release.
2. What are personalized medicines? Discuss customized DDS and Bioelectronic medicines.
3. Explain the various polymers employed in drug delivery system.
4. Define pharmacogenetics. Explain 3D printing of pharmaceutical and telepharmacy.
5. How do you formulate and evaluate pulsatile DDS?
6. Discuss the formulation and stability testing of protein DDS.
7. Explain the preparation and evaluation of colon specific DDS.
8. Discuss the formulation of Pharmacosomes and resealed erythrocytes.
9. What are sub-micron cosmeceuticals? Describe the formulation of skin cosmeceuticals.
10. Describe the regulatory requirements for oral cavity and eye cosmeceuticals.

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