

Rajiv Gandhi University of Health Sciences, Karnataka
Second Semester M. Pharm Degree Examination - 28-May-2024

Time: Three Hours

Max. Marks: 75 Marks

MOLECULAR PHARMACEUTICS (NANO TECH AND TARGETED DDS)

Q.P. CODE: 5169

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. Describe in detail the various approaches of vectoring the drug to its target site. Add a note on the different levels of targeting.
2. Describe the formulation of microspheres. What are the merits and demerits of microspheres?
3. Explain the principle, disadvantages and any one methods of preparation of liposomal drug delivery systems.
4. Define 'aerosols'. Describe in detail metered dose inhalers.
5. Define phytosomes. Write a note on preparation of phytosomes.
6. What are solid lipid nanoparticles? Discuss their evaluation.
7. Give pharmaceutical advantages and applications of microencapsulation.
8. Describe any one method for the preparation of niosomes with its applications.
9. Mention the preparation and applications of aquasomes.
10. Add a note on tablets, Drencher and tubing products for veterinary use.

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