

Rajiv Gandhi University of Health Sciences, Karnataka
Second Semester M. Pharm Degree Examination - 30-May-2023

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 the concept and biological process involved in drug targeting.
2. Describe any one technique employed for the formulation of microspheres. What are the merits and demerits of microspheres?
3. Define 'aerosols'. Describe in detail the manufacturing of aerosols.
4. Differentiate between neosome and liposome. Describe the preparation of neosomes.
5. Add a note on Drenchers, tubing product tablets and bolus for veterinary usage.
6. Explain the use of metered dose inhalers with its advantages by giving examples.
7. Explain in brief the method of preparation and applications of Solid lipid nanoparticles.
8. Explain the hybridoma technique of producing monoclonal antibodies with its applications.
9. Explain any two methods of preparation of liposomes.
10. Write a note on any one approach for tumor and brain targeting.

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