

Rajiv Gandhi University of Health Sciences, Karnataka
Second Semester M. Pharm Degree Examination - 02-Nov-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 "Blood brain barrier". Explain how drugs can be targeted to the brain?
2. Define "Liposomes". Classify them. Explain any one method of their preparation in detail.
3. Explain in detail all the parameters that have to be considered in the formulation of aerosols.
4. Define nanoparticles. Explain the evaluation parameters for drug loaded nanoparticles.
5. Explain in detail coacervation and phase separation technique for the preparation of microparticles. Write the applications of microparticles.
6. Describe the preparation and applications of phytosomes.
7. Discuss different targeting techniques with reference to levels of targeting.
8. Describe production of monoclonal antibodies with the help of a neat flow chart.
9. Describe feed additives drenchers and tubing products used for delivering drugs to animals.
10. Explain different types of containers that are used in the packaging of aerosols. Write a note on propellants.

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