

Rajiv Gandhi University of Health Sciences, Karnataka
VII Semester B. Pharm Degree Examination – 23-Mar-2021

Max. Marks: 75 Marks

Time: Three Hours

NOVEL DRUG DELIVERY SYSTEM
Q.P. CODE: 5032

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary
All the Questions are compulsory

2 x 10 = 20 Marks

LONG ESSAYS

1. Write in details of various physicochemical factors to be consideration in selection of a drug candidate for controlled drug delivery formulations.
OR
Explain in details about various types of osmotic pumps.
2. What are gastroretentive drug delivery system (GRDDS) and describe with its various approaches.

7 x 5 = 35 Marks

SHORT ESSAYS

3. Write in details about biological properties of controlled release formulations.
OR
Write the methods of implants preparations.
4. Write the principal uses of polymers in pharmaceutical products.
OR
Write short note on buccal drug delivery system.
5. Write in details about factors affecting permeation of transdermal drug delivery system.
6. Write short note on nebulizers.
7. Discuss strategies and components of targeted drug delivery system.
8. Write in details about types of ocuserts.
9. Discuss briefly on intra-vaginal drug delivery system.

10 x 2 = 20 Marks

SHORT ANSWERS

10. State Higuchi model
11. Write short note on alginates.
12. State polymeric microspheres.
13. What are theories of mucoadhesion?
14. Write the polymers used in transdermal drug delivery system.
15. Write the applications of monoclonal antibodies.
16. State dendrimers.
17. Write the types of niosomes.
18. Write the novel ocular formulations.
19. State advantages of contraceptive patches.
