

Rajiv Gandhi University of Health Sciences, Karnataka
III Year Pharm-D Degree Examination - JUNE-2019

Time: Three Hours

Max. Marks: 70 Marks

Pharmaceutical Formulations (RS & RS2)

Q.P. CODE: 2866

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (answer any two)

2 x 10 = 20 Marks

1. Explain in detail the formulation of tablets.
2. Define and classify injections. Discuss in detail, parenteral suspensions and parenteral emulsions.
3. Explain in detail the extraction of gelatin and manufacturing of hard gelatin capsule shell.

SHORT ESSAYS (answer any six)

6 x 5 = 30 Marks

4. Give reasons and remedies for defects of film coating.
5. With a neat diagram of Rotary die machine, explain the manufacturing of soft gelatin capsules.
6. Discuss on nature of the soft gelatin capsule shell.
7. With anatomy of skin, explain the factors affecting drug absorption through skin.
8. Explain the approaches for enhancing the aqueous solubility of poorly soluble drug.
9. Discuss the different approaches of developing transdermal drug delivery systems.
10. Describe any two official quality control tests for tablets.
11. Describe in vivo methods of testing pyrogens in parenteral products.

SHORT ANSWERS

10 x 2 = 20 Marks

12. Define elixirs and linctuses.
13. Write disintegration test for enteric coated tablets.
14. Define base adsorption with equation.
15. Classify with suitable example the vehicles used for parenterals.
16. Write LAL test.
17. Name four requirements of ophthalmic preparations.
18. Enlist the types of ingredients used for suspensions.
19. What are ocuserts?
20. Give four advantages of transdermal drug delivery systems.
21. Define controlled and targeted drug delivery systems.
