

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. Classify granulation techniques. Describe wet granulation method along with equipment used.
2. Describe in detail, the formulation of parenterals.
3. Write the advantages, disadvantages and various formulation approaches used in developing transdermal drug delivery systems.

SHORT ESSAYS (answer any six)

6 x 5 = 30 Marks

4. Describe film coating process of tablets.
5. Explain quality control tests for hard gelatin capsules.
6. Describe the production of soft gelatin capsules.
7. Explain evaluation of eye ointment.
8. Explain the formulation of oral suspensions.
9. Explain parenteral depot formulation.
10. Explain the various physico chemical factors to be considered in designing controlled drug delivery systems.
11. Explain the requirements for the ophthalmic preparations.

SHORT ANSWERS

10 x 2 = 20 Marks

12. Define ointment and paste.
13. Differentiate glidants and lubricants.
14. How is bloom strength measured?
15. How is leakage test conducted for parenterals.
16. Write water attack test for glass containers.
17. Role of viscosity modifiers in ophthalmic formulations.
18. List the organoleptic additives used in liquid orals.
19. What is ocusert?
20. Define first order drug targeting. Give an example.
21. What is osmotic pump?
