

Rajiv Gandhi University of Health Sciences, Karnataka

Fifth Semester B. Pharm Degree Examination – 15-Jun-2022

Time: Three Hours

Max. Marks: 75 Marks

INDUSTRIAL PHARMACY - I

Q.P. CODE: 5019

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

LONG ESSAYS

2 x 10 = 20 Marks

1. Explain manufacturing defects in uncoated tablets with their reasons and remedies
OR
Define capsules. Discuss about quality control testing for hard gelatin capsules
2. Define isotonic solution. Give its importance. Explain various methods used for adjustment of isotonicity

7 x 5 = 35 Marks

SHORT ESSAYS

3. Write the different granulation techniques. Explain dry granulation
OR
Explain formulation and preparation of tooth paste
4. Write a note on BCS classification of drugs and its importance
OR
Write on formulation and evaluation of shampoo
5. Define coating. Explain sugar coating of tablets. Write its advantages and disadvantages
6. Write a note on formulation problems in the development of oral liquid dosage forms
7. Explain manufacturing of soft gelatin capsules by rotary die process
8. How sterility testing or parenteral products performed?
9. Write a note on quality control tests for plastic containers for non parenteral preparation

10 x 2 = 20 Marks

SHORT ANSWERS

10. Define polymorphism
11. Importance of angle of repose and bulk density of drugs in pre-formulation studies
12. Components of rotary tablet punching machine
13. Enlist various excipients used in capsule shell
14. What is bloom strength?
15. Differentiate between eye drops and eye lotion
16. Write a note on Eye ointment base
17. Sealing of small volume parenteral containers
18. Enlist factors influencing choice of containers
19. Enlist quality control tests for glass as packaging material