

Third Year B.Pharm (Ayurveda) Degree Examinations, October 2016

Industrial Pharmacy I

Time : 3 Hours

Total Marks:100

- **Answer all questions**

Essays:

(2x10=20)

1. Mention difference methods for micro encapsulation and explain any two in detail.
2. Explain the preparation of soft gelatin capsules using rotary die machine.

Short notes:

(10x5=50)

3. What are the granulation techniques by which tablets are prepared. Discuss any one of them.
4. Suspending agents.
5. Galenical products.
6. The mechanisms of drug penetration into skin from semisolid dosage forms.
7. Various types of pharmaceutical powders.
8. Explain the preparation of liquid mixture with indiffusible solids for internal use.
9. Quality control of capsules.
10. List out different types of aerosol system and explain any one in detail.
11. List out different types and importance of preservatives in suspensions and emulsions.
12. Define micro encapsulation. Add a note on evaluation of micro capsules.

Answer briefly:

(10x3=30)

13. Production of gelatin for hard gelatin capsules.
14. Formulation of coating solution for tablets.
15. What are the applications of micro encapsulation in pharmacy.
16. What are the advantages of film coating of tablets.
17. What are the steps involved in tablet manufacturing.
18. Classify various semi-solid bases.
19. Discuss on vehicles used in liquid dosage forms.
20. What are the pharmaceutical applications of aerosols.
21. Pan-coating technique for micro encapsulation.
22. Explain any one evaluation test for tablet dosage form.
