

QP CODE:307008

Reg.No.....

**Third Year B.Pharm (Ayurveda) Degree Supplementary Examinations,
April 2017**

Industrial Pharmacy I

Time : 3 Hours

Total Marks:100

- **Answer all questions**

Essays:

(2x10=20)

1. Explain different types of aerosol system in detail.
2. Discuss on various emulsifying agents and evaluation methods for emulsion.

Short notes:

(10x5=50)

3. Explain the production of hard gelatin capsules.
4. Preservatives.
5. Internally administered solutions.
6. Different type tablet coating and evaluation of coated tablets.
7. List out various extraction process available for extraction of drugs. Explain any one method in detail.
8. The additives used in suspensions.
9. Explain manufacturing and packing methods of pharmaceutical aerosols.
10. Pharmaceutical powders.
11. Explain micro encapsulation by air-suspension method.
12. The factors influencing drug penetration from semi-solid dosage forms into skin.

Answer briefly:

(10x3=30)

13. Importance of tablet coating.
14. Mention different semi-solid dosage forms and define them.
15. Pressure-filling method for manufacturing pharmaceutical aerosols.
16. Storage of capsule dosage forms.
17. Different types of tablets.
18. What are the various types of additives used in liquid dosage forms.
19. Properties of hydrocarbon bases used in formulation of semi-solids.
20. Define micro encapsulation. List out the techniques used for micro encapsulation.
21. Wet granulation.
22. Propellants in pharmaceutical aerosols.
