

QP CODE: 307008

Reg. No.....

**Third B.Pharm (Ayurveda) Degree Regular/Supplementary Examinations
October 2019**

Industrial Pharmacy I

Time: 3 Hours

Total Marks: 100

- **Answer all questions**

Essays:

(2x10=20)

1. Discuss granulation technology on large scale by various techniques.
2. Define hard and soft gelatin capsules with its advantages and limitations.

Short notes:

(10x5=50)

3. Explain mixtures containing diffusible solids.
4. Explain special care and problems in manufacturing of powders.
5. Explain mixtures containing indiffusible solids.
6. Discuss types of coating and equipments of coating.
7. Discuss different types of flavors and colors used in liquid dosage forms.
8. Define suspension and discuss evaluation of suspension.
9. Explain factors influencing penetration of semisolid dosage forms.
10. Discuss soft liquid extracts.
11. Explain manufacturing and packaging methods of pharmaceutical aerosols.
12. Define preservatives and discuss importance of preservatives.

Answer briefly:

(10x3=30)

13. Explain different types of microcapsules.
14. Write definition of aerosols and propellants.
15. Explain preparation of dry extracts.
16. Discuss spray drying with importance.
17. Explain manufacturing of clear liquids.
18. Write different size of capsules and storage of capsule.
19. Explain film forming materials for coating of tablets.
20. Explain evaluation of tablets.
21. Discuss advantages of powder.
22. Write difference between suspension and emulsion.
