

QP Code: 405008

Reg. No.....

**Final Year B. Pharm(Ayurveda) Degree Supplementary Examinations,
March 2015**

Industrial Pharmacy II

Time: 3 hrs

Total Marks: 100

- Answer all questions
- Draw diagrams wherever necessary

Essays:

(2x10=20)

1. Define pre formulation. Briefly explain the principal areas of pre formulation research.
2. What are suppositories. Mention its advantages and explain various types of bases used for the manufacturing of suppositories.

Answer briefly:

(10x5=50)

3. Various sustained drug release mechanisms.
4. Explain the features of ideal surgical dressings.
5. Vehicles used for the preparation of parenteral products.
6. Quality control of ophthalmic preparations.
7. Describe plastic as a packaging component for pharmaceutical products.
8. Liposomes employed as novel drug delivery systems.
9. Explain the formulation of toothpaste.
10. Stability testing for pharmaceutical products.
11. Explain space requirements in pilot plant scale up studies.
12. Explain the formulation of eye drops.

Short notes:

(10x3=30)

13. Mention the factors influencing the choice of containers for pharmaceutical products.
14. Advantages of parenteral products
15. Osmotic drug delivery systems.
16. Composition of nail lacquers.
17. Classify various surgical dressings.
18. Packaging and storage of suppositories.
19. Elastic bandages.
20. Mention the various routes of administration for parenteral products.
21. Composition of glass as a packaging component.
22. Applications of sustained release drug delivery systems
