

**QP CODE: 307008**

**Reg.No.....**

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

**Industrial Pharmacy I**

**Time: 3 Hours**

**Total Marks: 100**

- **Answer all questions**

**Essays:**

**(2x10=20)**

1. Mention the purpose of coating of a tablet. Explain the types of coating and its process. Add a note on any of the two equipments used in coating process.
2. Mention the principles and methods of extraction. How will you prepare tinctures and infusions.

**Short notes:**

**(10x5=50)**

3. Explain simple percolation process.
4. List the advantages and disadvantages of powders.
5. Explain the evaluation of "Coated tablets".
6. What are preservatives and mention examples.
7. The techniques used in the preparation of granules.
8. What are mixtures, classify with examples.
9. Solubilisers used in liquid dosage forms.
10. Briefly explain the encapsulation techniques, spray drying and spray congealing.
11. What are the pharmaceutical applications of aerosols.
12. How will you prepare hard gelatin capsule shells.

**Answer briefly:**

**(10x3=30)**

13. "Digestion" in extraction process.
14. What are film formers and mention examples.
15. What are the factors influencing preparation of semi solid dosage forms into the skin.
16. How will you evaluate microcapsules.
17. The vehicles used in the preparation of liquid dosage forms.
18. What are effervescent granules.
19. Explain "HLB value". What is its application in "emulsions".
20. What are emulsifying agents and mention examples.
21. Steps in tablet manufacturing.
22. What are 'liniments' and 'lotions'.

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