

**Third Year B.Pharm(Ayurveda) Degree Examinations, October 2014**

**Industrial Pharmacy I**

**Time : 3 Hours**

**Total Marks:100**

- **Answer all questions**

**Essays:**

**(2x10=20)**

1. What are the advantages and disadvantages of solid dosage form. How will you prepare granules and give the evaluation of tablets.
2. Mention the advantages of pharmaceutical aerosols. Explain about the components of aerosol packing.

**Short notes:**

**(10x5=50)**

3. Explain the process of extraction with special reference to maceration process.
4. What are emulsion instabilities.
5. Classify monophasic liquid dosage forms.
6. The method of preparation of soft gelatin capsules using 'rotary die fill' machine.
7. 'Defects of tablets'.
8. Method of mixing of powders.
9. The additives used in emulsions.
10. How will you prepare a coating solution and explain about film formers.
11. How will you prepare hard gelatin capsules.
12. List the advantages and limitations of powders.

**Answer briefly:**

**(10x3=30)**

13. How will you prepare tinctures.
14. 'Film coating'
15. Explain about the equipments used in tablet coating.
16. Mechanism of drug penetration into the skin from semisolid dosage form.
17. What are the steps involved in "Sugar coating".
18. Filling of capsules.
19. Explain wet gum method in the preparation of emulsion.
20. Advantages of micro capsulation.
21. Direct compression method.
22. 'Sizes' of capsules.

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