

[LB 802]

**OCTOBER 2012**  
**PHARM. D DEGREE EXAMS**  
**FIRST YEAR**  
**PAPER II – PHARMACEUTICS**  
*Q.P. Code : 383802*

**Sub. Code: 3802**

**Time : 3 hours**  
**(180 Min)**

**Maximum : 100 marks**

**Answer ALL questions in the same order.**

**I. Elaborate on :**

**Pages Time Marks**  
**(Max.)(Max.)(Max.)**

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|--|----|----|----|
| 1. Define Incompatibility. Explain the chemical and Physical Incompatibility with examples.  | 17 | 40 | 20 |
| 2. a) Classify and Enumerate the advantage of powders. Describe the dispensing of Dusting powder with example.<br>b) Add a note on Microcapsule. | 17 | 40 | 20 |

**II. Short notes on :**

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|--|---|----|---|
| 1. Define prescription. Discuss on various parts of prescription.                                  | 4 | 10 | 6 |
| 2. Discuss the method of calculating children dose.  | 4 | 10 | 6 |
| 3. Explain the preparation of Mouthwash and Collodions.  | 4 | 10 | 6 |
| 4. Give the note on challenges for Pharmaceutical Industry in India.                               | 4 | 10 | 6 |
| 5. In what proportion should alcohols of 85% and 40% be mixed to make 60% alcohol?                 | 4 | 10 | 6 |
| 6. Explain factors affecting the stability of emulsion.  | 4 | 10 | 6 |
| 7. Describe the various adjuvant required in the formulation of liquid dosage form.                | 4 | 10 | 6 |
| 8. Give the account of Identification test for types of emulsion.                                  | 4 | 10 | 6 |
| 9. How much water should be mixed with 5000mL of 85%(v/v) alcohol to make 50% alcohol?             | 4 | 10 | 6 |
| 10. Explain any ONE chemical Incompatibility and the method to overcome the problem with examples. | 4 | 10 | 6 |

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