[LB 802]   **OCTOBER 2012**   **Sub. Code: 3802**

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION
FIRST YEAR
PAPER II – PHARMACEUTICS
Q.P. Code: 383802

Time: Three Hours   **Maximum: 100 marks**

Answer ALL questions in the same order.

I. Elaborate on :

	Pages (Max.)	Time (Max.)	Marks (Max.)
1. Define Incompatibility. Explain the chemical and Physical Incompatibility with examples.	17	40 min.	20
2. a) Classify and Enumerate the advantage of powders. Describe the dispensing of Dusting powder with example.	17	40 min.	20
b) Add a note on Microcapsule.			

II. Write notes on:

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

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