B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)
PCI Regulation 2017 – SEMESTER I
PAPER III – PHARMACEUTICS - I
Q.P. Code: 562005

Time: Three hours   **Maximum: 75 Marks**

I. Elaborate on: Answer any TWO questions.   (2 x 10 = 20)

1. Define Posology. What are the factors affecting Posology?
2. Define emulsion. Explain in detail stability problems of emulsion and methods to overcome it.
3. Define Incompatibility. Explain in detail about the chemical incompatibility along with reasons and methods to rectify it.

II. Write notes on: Answer any SEVEN questions.   (7 x 5 = 35)

1. Explain the role of pharmacist in handling of prescription.
2. Write about aqueous bases of suppositories.
3. a. Convert 90%v/v alcohol into Proof strength.
   b. Calculate the dose for a child having BSA $0.83m^2$
4. Write a note on the opportunities in career of pharmacy.
5. Explain about various   types of Powder.
6. Write about the Preparation of Gels.
7. Explain any one type of Therapeutic incompatibility.
8. Differentiate Ointments and Pastes.
9. Explain the methods of preparing syrups.

III. Short answers on: Answer ALL questions.   (10 x 2 = 20)

1. Define Syrups.
2. What is Stokes law?
3. What are suspending agents?
4. Write Dilling's formula and Clark's formula to calculate child's dose.
5. Define Idiosyncrasy.
6. What are gels and creams?
7. What do you mean by organoleptic additives?
8. What are the advantages of suppositories?
9. Define Gargles.
10. What are stabilizers?

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