**B. Pharm 1st Semester Examination**

**Subject- Pharmaceutics-I (BPI03T)**

 **Full Marks- 75 Time – 3 hours**

 **Answer all questions:**

**1. Answer all. (10x2=20)**

 **(a) Define powder what is the use of ORS Powder?**

 **(b) Differentiate Lotion and Liniment.**

 **(c) Define emulsion. What is the use of o/w type emulsion?**

 **(d) What is young’s formula?**

 **(e) Define Mouth wash. What is its use?**

 **(f) Define suspension provide two examples of marketed formulations.**

 **(g) Define Gargles and Throat paint.**

 **(h) Define isotonicity. Give two examples of tonicity modifiers.**

 **(i) What is eutectic mixture?**

 **(j) Define proof spirit.**

**2. Answer any seven questions: (7x5=35)**

**(a) Discuss with proper examples; Effervescent efflorescent and hygroscopic powder.**

**(b) Write Short notes on Flocculated and Deflocculated Suspension.**

**(c) Enlist the various factors affecting posology. Describe any four in detail.**

**(d) Discuss tests for identification of Emulsion**

**(e) Discuss the methods employed for formulation of emulsion.**

**(f) Discuss on Suppository bases.**

**(g) What do you mean by incompatibility? Discuss about physical incompatibility in detail.**

**(i) Write a short note on Geometric dilution**

**(j) Discuss about organoleptic additives used in liquid dosage forms.**

**3. Answer any two questions: (2x10=20)**

**(a)Describe the various methods used to calculate the child dose from Adult dose.**

**(b) Define prescription. Describe the various parts of a prescription with the help of a Prescription model.**

**(c) Discuss about the mechanisms and factors influencing dermal Penetration of drugs.**

**(d) Describe in detail about the advantages formulation and evaluation of Suppositories.**