

# C.U.SHAH UNIVERSITY

## Winter Examination-2015

**Subject Name: Pharmacology I**

**Subject Code: 4PS04COL1**

**Branch: B.Pharm**

**Semester: 4**

**Date: 26/11/2015**

**Time: 2.30 To 5.30**

**Marks: 70**

**Instructions:**

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
  - (2) Instructions written on main answer book are strictly to be obeyed.
  - (3) Draw neat diagrams and figures (if necessary) at right places.
  - (4) Assume suitable data if needed.
- 

- Q-1** Explain the following: (14)
- a. Pharmacokinetics    b. Pharmacodynamics    c. Pharmacology    d. Therapeutics  
e. Dermojet            f. Toxicology            g. Agonist

**Attempt any four questions from Q-2 to Q-8.**

- Q-2** a. Explain in details Factors affecting gastrointestinal absorption. (7)  
b. Classify Rout of administration and give details account on IV (Intravenous ) rout of administration. (7)
- Q-3** a. Give detail account on scope of pharmacology. (7)  
b. Explain Biological Half life and its significance. (7)
- Q-4** a. Explain Biotransformation of Drug with Example (7)  
b. Explain Renal clearance of Drug. (7)
- Q-5** a. Write the mechanism of drug action. (7)  
b. Explain acute oral toxicity (7)
- Q-6** a. Write note on Histamine and its antagonist. (7)  
b. Classify local anesthetics and its pharmacology (7)
- Q-7** a. Write the classification of ganglionic stimulant and ganglionic blocker. (7)  
b. Write the pharmacology of sympathomimetics. (7)
- Q-8** a. Write the type of drug interaction. Explain Pharmacodynamic drug interaction. (7)  
b. Write the pharmacology of sympathomimetics. (7)

