

**UKA TARSADIA UNIVERSITY**

Maliba Pharmacy College

B. Pharm 5<sup>th</sup> Semester Internal Examination 2013 (*Mid-Sem 1*)**030020503- Pharmacology - I**

Time: 1:30 p.m. To 3:30 p.m.

Max. Marks: **40**

Date: 02/09/2013

**Instructions:**

- Attempt any **FIVE** questions.
- Each question carries **08** marks.
- Make suitable assumption whenever necessary.
- Figures to the right indicate full marks.

- Q.1 A) Give the advantages and disadvantages of intravenous route of drug administration and mention the precautionary measures of this route. 4
- B) Give pharmacological actions and uses of Adrenaline. 4
- Q.2 A) Give clinical importance of followings: 4
1. Plasma protein binding
  2. First pass metabolism
- B) Enlist factors effecting absorption of drugs. Explain the effects pH, GI motility & disease state on absorption of drug. 4
- Q.3 A) Write a note on propranolol. 4
- B) Classify sympathomimetic agents. Write a note on indirectly acting sympathomimetic agent. 4
- Q.4 A) Explain the following in detail: [Any Two] 4
1. Bioavailability
  2.  $aV_d$
  3. Microsomal Enzyme
- B) Explain factors affecting distribution of drug. 4
- Q.5 A) Define following terms: 4
1. Inverse agonist
  2. Spare receptors
  3. Receptor up-regulation
  4. Synergism
- B) Classify different types of receptors. Describe type-1 receptor. 4
- Q.6 A) Write short note on drug antagonism. 4
- B) Describe cholinergic neurohumoral transmission. 4
- Q.7 A) Classify parasympathomimetics. Describe treatment of organophosphorus poisoning. 4
- B) Justify therapeutic uses of parasympatholytics. 4