

V.P and R.P.T.P Science College
T.Y. B.Sc. (Sixth Semester), Internal Exam
US06CICV05
14th March 2014, Friday



Time: 3:30 pm to 5:00 pm

Total Marks: 30

- Q1. Answer the following short questions. (Any three) [06]
- i) Define: Drug and Prodrug.
 - ii) Write down the characteristics of an ideal drug.
 - iii) Define: Antipyretics and write down the synthesis of paracetamol
 - iv) Write down the synthesis of analgin.
 - v) Define Hormones.
 - vi) Differentiate between vitamins and hormones.
- Q2.(a) Differentiate between Chemotherapeutic agents and Pharmacodynamic agents [05]
(b) Explain the mechanism of drug binding [03]
- OR
- Q2. Explain the effects of following groups on chemical activity of drugs: [08]
a. Nitro and nitrite group b. Unsaturation
- Q3.(a) Write the uses of various sulfa drugs. [05]
(b) Tabulate the commonly used sulfa drugs with their name and groups [03]
- OR
- Q3. Explain mode of action of Anti-pyretics and Analgesics [08]
- Q4. Give classification of vitamins and discuss occurrence, properties and deficiency diseases of vitamin A. [08]
- OR
- Q4. Discuss occurrence, synthesis and requirement of vitamin C. [08]