

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]