

Semester-VI, B.Sc. (Industrial Chemistry) Examination
March-2015
Paper- IC-605: Synthetic Dyes & Pharmaceutical Industry
Paper Code: 4653

Time: 2.30 Hours

Total Marks: 70

- Que.1 (A) Introduce the term 'Drug'. Discuss important characteristics of an ideal drug. 10
(B) Discuss effect of hydroxyl group as drugs. 04
OR
- Que.1 (A) Discuss classification of drugs on the basis of their therapeutic actions. 10
(B) Define pharmacophore with example. 04
- Que.2 (A) Introduce QSAR with their different parameters. 10
(B) Define bacteriostatica and Bactericidal. 04
OR
- Que.2 (A) Give brief note of historical development of drug. 10
(B) Give synthesis and uses of paracetamol. 04
- Que.3 Explain any **two** types of following drugs and synthesized one member of each class. 14
(1) Sulphadrag.
(2) Antidiabetic drug.
(3) Antihistamine drug.
- Que.4 Explain synthesis of any three drugs with its usefulness. 14
(1) Phenacetine (4) Aspirin
(2) Salol (5) PAS
(3) Vioform
- Que.5 (A) Give synthesis of Vitamin B₂. 10
(B) Write about hormones. 04
OR
- Que.5 (A) Give synthesis and application of Vitamin B₁. 10
(B) What is ACTH? 04