

## COURSE OBJECTIVES AND COURSE OUTCOMES

T. Y. B. Sc. SEMESTER - V

CHEMISTRY APPLIED COMPONENT PAPER - I

SUBJECT: DRUGS AND DYES

Sr. No.	Course Objectives	Course Outcomes
1)	To expose students to the field of drugs	Students will get comprehensive information about classification, nomenclature and various routes of drug administration
2)	To learn about various pharmacodynamic agents	Students will be exposed to the applications of analgesics, antipyretics, antidiabetic, anti-inflammatory drugs etc.
3)	To learn the classification of dye	Learner will get comprehensive information about the classification of dyes based on substrate fibres and dyeing method
4)	To get insight into colour and chemical constitution	Students will learn Witt's theory and complementary colour theory
5)	To study different unit processes and dye intermediates	Students will get insight into various commercially important processes such as nitration, sulphonation and diazotization

**T. Y. B. Sc. SEMESTER - VI**  
**CHEMISTRY APPLIED COMPONENT PAPER - II**  
**SUBJECT: DRUGS AND DYES**

<b>Sr. No.</b>	<b>Course Objectives</b>	<b>Course Outcomes</b>
1)	To introduce students to the field of drug design and drug development	The learner will get insight into structural modification of drugs to increase the potency of the drug
2)	To get detailed information about chemotherapeutic drugs	Students will get to learn about antibiotics, antivirals, anti-tubercular and anti-leprosy drugs, anti- HIV and antineoplastic drugs
3)	To study drug intermediates	The learner will understand synthetic applications of the building blocks used in drug synthesis
4)	To study the synthesis of selected dyes	They will get detailed knowledge of the synthesis of azo dyes, diphenylmethane dyes, nitro dyes nitroso dyes etc.
5)	To learn about health and environmental hazards	Students will get an account of the impact of textile and leather dyes on the environment. They will also learn about toxicity of food colour