BCO 105-P DRUG METABOLISM [P]
Practical Course Credit : 1
Contact Hours : 30
1. Hydroxylation of drug such as aniline hydrochloride by liver homogenate and its spectrophotometric detection
2. Drug estimation:
a. Spectrophotometric estimation of paracetamol.
b. Thin layer chromatography for nicotine.
3. Case study :
Incidence, effects and management of substance abuse at the individual and at the community level.

Reference Books (Composite list for theory and practicals)
1. F. J., Tukey, R. H., Drug metabolism. Gonzalez,. In: Brunton, L. L., Chabner, B., Knollmann, B. C., (Eds.), Goodman &Gilman's The pharmacological basis of therapeutics, McGraw Hill Medical.
2. Klaassen, C. D., Amdur, M. O.&Doull.,Casarett and Doull's Toxicology. J. Macmillan publishing company, New York.
3. Hayes, A. W., Principles and methods of toxicology. Raven press, New York
4. Paradkar A. R.,Biopharmaceutics and Pharmacokinetics.Pragati Books Pvt. Ltd.
5. Shargel, L., Wu-Pong, S.& Yu, A. Applied biopharmaceutics and pharmacokinetics, McGraw Hill, New York
6. Brahmankar, D. M.&Jaiswal S. B.,Biopharmaceutics and Pharmacokinetics. VallabhPrakashan, New Delhi