



''बेटी बचाओ, बेटी पढ़ाओ''

JAYOTI VIDYAPEETH WOMEN'S UNIVERSITY, JAIPUR

Faculty of Pharmaceutical Science

Faculty Name : **JV'n Devendra Joshi, Associate Professor**
Department Name : **Pharmaceutical Chemistry**
Program Name : **M Pharm**
Semester : **I Sem/ 1st year**
Course/ Subject Name : **Modern Pharmaceutical Analytical Technique Lab**

Sr. No.	Course Outcome
1	Understand the chromatographic separation and analysis of drugs. Understand the Chemical nature and cellular behavior of drugs in single and combination dosage forms.
2	Perform quantitative & qualitative analysis of drugs using various analytical instruments.
3	Theoretically understand the aspects of separation for multi components. Develops ability to gain the knowledge about ICH guidelines for impurity and degradation determination in drugs.
4	Practical Skills for the analysis of drugs and using various instrumentation techniques.
5	Able to separate and analyzes drugs by chromatography Radioimmunoassay and Electrophoresis
6	Develops ability to gain the knowledge about HPLC method development and analysis of drugs using the instruments
7	To understand the different types of instrumental analytical techniques available for quality control of APIs and Pharmaceutical dosage forms.
8	Know various sampling techniques employed in analysis of solid, semisolid and liquid dosage forms. interpretation skills will be improve by the course content in terms of choice of analytical techniques to perform the estimation of different category drugs. Able to do the mass spectral analysis of organic compounds
9	Understand principle, instrumentation and application of UV- Vis, Atomic Absorption and Emission Spectroscopy. Understand the basic principles and proton analysis of organic compounds using NMR, HPLC, Mass spectroscopy
10	To study the basics of instrumentation of various analytical instruments and their calibration. Understand the concept of linearity, absorbance maxima and calculation of absorptive constant. Understand the concept of Assay of APIs and formulation by various analytical techniques including UV spectroscopy.