

### COURSE OUTCOMES

<b>Name of the Course &amp; Code:</b>		<b>MODERN PHARMACEUTICAL ANALYTICAL TECHNIQUES LAB - 21S01105</b>			
<b>Programme :</b>	M.Pharmacy	<b>Department :</b>	Pharmacology		
<b>Semester :</b>	I	<b>Internal Exam :</b>	40 Marks	<b>External Exam:</b>	60 Marks

#### Course Outcomes:

C011105.1 Analysis of pharmacopoeial spectroscopic technique.

C011105.2 Perform to select suitable analytical techniques for the qualitative and quantitative evaluation of drugs.

C011105.3 Apply the theoretical knowledge of instruments for effective practical handling and use.

C011105.4 Estimate the compounds by various chromatographic compounds.

C011105.5 Evaluate structure of organic compounds using suitable spectroscopic tools.

<b>Name of the Course &amp; Code:</b>		<b>ADVANCED PHARMACOLOGY – I LAB - 21S01106</b>			
<b>Programme :</b>	M.Pharmacy	<b>Department :</b>	Pharmacology		
<b>Semester :</b>	I	<b>Internal Exam :</b>	40 Marks	<b>External Exam:</b>	60 Marks

#### Course Outcomes:

C011106.1 Perform Various routes of drug administration.

C011106.2 Perform blood sampling, anesthesia and euthanasia of experimental animals.

C011106.3 Estimate the dose response curve of drugs on isolated tissue preparation.

C011106.4 Determination of the pA<sub>2</sub> value on isolated tissues.

C011106.5 Estimate the Bioassay of drugs on isolated tissue preparation.

### **SEMESTER-II**

<b>Name of the Course &amp; Code:</b>		<b>ADVANCED PHARMACOLOGY – II LAB - 21S01205</b>			
<b>Programme :</b>	M.Pharmacy	<b>Department :</b>	Pharmacology		
<b>Semester :</b>	II	<b>Internal Exam :</b>	40 Marks	<b>External Exam:</b>	60 Marks

**Course Outcomes:**

- C011205.1 Perform the effect of drugs on chick & rat meanarterial blood pressure
- C011205.2 Perform Identify & isolate DNA& RNA from varioussources
- C011205.3 Determination of Gene amplification by PCR.
- C011205.4 Analyze Enzyme based in-vitro assay
- C011205.5 Determination of Apoptosis by fluorescent imagingstudies

<b>Name of the Course &amp; Code:</b>		<b>PHARMACOLOGICAL SCREENING METHODS AND TOXICOLOGY LAB - 21S01106</b>			
<b>Programme :</b>	M.Pharmacy	<b>Department :</b>	Pharmacology		
<b>Semester :</b>	II	<b>Internal Exam :</b>	40 Marks	<b>External Exam:</b>	60 Marks

**Course Outcomes:**

- C011206.1 Recall the various newer screening methodsinvolved in the drug discovery process.
- C011206.2 Understand and analyze the pharmacological and toxicological screening method for drug in drugdiscovery process.
- C011206.3 Demonstrate the toxicity studies as per OECDguidelines.
- C011206.4 Explain the functional observation battery tests.