KONKAN GYANPEETH
RAHUL DHARKAR COLLEGE OF PHARMACY
AND RESEARCH INSTITUTE, KARJAT
(Approved by AICTE & P.C.I. (New Delhi), D.T.E. (Govt. of MS) & Affiliated to University of Mumbai & MSBTE)

ESTD -2006

NAAC ACCREDITED

M.PHARMACY PHARMACOLOGY (R-CBCS)SEM I

Sr. No.	Code	Name of Subject	Course outcome
1	MPH 101T	**MODERN PHARMACEUTICAL ANALYTICAL TECHNIQUES**	1. Student shall be able to know the identification, characterization and quantification of drugs. 2.Student shall be able to understand instrumention of NMR, Mass spectrometer, IR, HPLC, GC etc. 3.Student shall be able to acquire theoretical and practical skills of the instruments.
2	MPL 102T	**ADVANCED PHARMACOLOGY - I**	1.Student shall be able to discuss the pathophysiology and pharmacotherapy of certain diseases. 2. Student shall be able to explain the mechanism of drug actions at cellular and molecular level. 3. Student shall be able to understand the adverse effects, contraindications and clinical uses of drugs used in treatment of diseases.
3	MPL 103T	**PHARMACOLOGICAL AND TOXICOLOGICAL SCREENING METHODS - I**	1. Student shall be able to appraise the regulations and ethical requirement for the usage of experimental animals 2. Student shall be able to describe the various animals used in the drug discovery process and good laboratory practices in maintenance and handling of experimental animals. 3.Student shall be able to describe the various newer screening methods involved in the drug discovery process. 4. Student shall be able to appreciate and correlate the preclinical data to humans.
4	MPL 104T	**CELLULAR AND MOLECULAR PHARMACOLOGY**	1.Student shall be able to explain the receptor signal transduction processes. 2.Student shall be able to explain the molecular pathways affected by drugs. 3. Student shall be able to appreciate the applicability of molecular pharmacology and biomarkers in drug discovery process. 4.Student shall be able to demonstrate molecular biology techniques as applicable for pharmacology
5	MPL 105P	**PHARMACOLOGICAL PRACTICAL - I**	1.Student shall be able to understand Experiments based on UV,HPLC ,Fluorimetry . 2. Student shall be able to understand Techniques of blood sampling, anesthesia and euthanasia of experimental animals 3. Student shall be able to Evaluation of CNS stimulant, depressant, anxiogenics and anxiolytic, anticonvulsant activity.