

ESTD -2006



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)

CHOICE BASED CREDIT SYSTEM (CBCS) SEM VIII(2016 SYLLABUS)

| Sr.No. | Code | Name of Subject | Course outcome |
|--------|-------------|--------------------------------|---|
| 61 | BPH C 801 T | PHARMACEUTICAL CHEMISTRY III | 1.The learner should be able to gain knowledge in the thrust areas of CNS, ANS active drugs, analgesic agents and male female hormones. They will be apply this knowledge in research areas. |
| 62 | BPH C 802 T | PHARMACEUTICS IV | 1.The learner should be able to apply the knowledge of sterile technology in designing safe and effective injectables and ophthalmic products 2.The learner should be able to study the rationale for oral SR/CR products, principles of design, development and evaluation of SR formulations 3.The learner should be able to understand the concepts of validation and pilot plant scale up for large scale manufacturing operations 4.The learner should be able to understand the concept of biopharmaceutics and significance of various pharmacokinetic parameters |
| 63 | BPH C 803 L | PHARMACEUTICAL CHEMISTRY LAB I | 1. The learner should be able to design and perform various unit operations of organic synthetic reactions 2. The learner should be able to characterize reaction intermediates and final products. 3. The learner should be able to know the theoretical concepts behind organic synthesis. 4. The learner should be able to understand the concept and techniques of waste management. |
| 64 | BPH C 804 L | PHARMACEUTICS LAB IV | 1.The learner should be able to demonstrate the intricacies of formulation and development of parenterals and ophthalmic products. 2.The learner should be able to understand and know about quality control and documentation of a manufacturing process. 3. The learner should be able to know about the pharmacopoeial tests for these products and their packaging materials. 4. The learner should be able to explain the concept of dissolution testing as an important quality control tool and relate to its importance from regulatory point of view. 5.The learner should be able to apply pharmacokinetic principles of oral routes of administration. |
| 65 | BPH E 807 T | CLINICAL PHARMACY | 1.The learner should be able to relate to the role of pharmacist in different setups like clinics, pharmacies and in the community and appraise the crucial role of pharmacists in patient counselling and eventually in drug adherence and compliance to therapy 2.The learner should be able to discuss the types, risk factors, classification, methods of detection, monitoring and reporting of ADRs, drug interactions, pharmacovigilance and TDM in normal as well as special populations. 3.The learner should be able to outline the process of drug discovery and development, Ethical Guidelines/Schedules, Role of Ethics Committee, essential documents in clinical trials/research, BA-BE studies and, apply and appreciate the role of GCP in conduct of clinical research. 4. The learner should be able to identify and analyze the trends in drug use to optimize health outcomes. |
| 66 | BPH E 811 T | NOVEL DRUG DELIVERY SYSTEMS | 1. The learner should be able to understand the basic concept of NDSS 2. The learner should be able to discuss the different NDSS for different routes-oral, transdermal, ocular, transmucosal and implantable 3. The learner should be able to explain the need and concepts of targeting and active & passive targeting 4. The learner should be able to elaborate on principles and targeting systems for brain, colon, lymphatics and tumors |