

**SEM VII Credit Based and Grading System**

Sr.No.	Code	Name of Subject	Course outcome
53	BPH T 7.1	Pharmaceutical Chemistry – III	<ol style="list-style-type: none"> <li>The learner should be able to understand Anti-Cancer agents and Antiviral agents</li> <li>The learner should be able to acquire the knowledge of Cardiovascular Drugs</li> <li>The learner should be able to acquire the basic knowledge of Antihistaminics</li> <li>The learner should be able to understand importance of Anaesthetics</li> </ol>
54	BPH T 7.2	Pharmaceutical Analysis – III	<ol style="list-style-type: none"> <li>The learner should be able to understand basic concepts and different types of Chromatography in details</li> <li>The learner should be able to acquire knowledge of Nuclear Magnetic Resonance Spectroscopy</li> <li>The learner should be able to understand importance of Mass Spectrometry</li> <li>The learner should be able to acquire knowledge of Structure Elucidation by spectral techniques using UV, IR, <sup>1</sup>H-NMR and Mass spectrometry</li> </ol>
55	BPH T 7.3	Pharmacology – III	<ol style="list-style-type: none"> <li>The learner should be able to understand basic concepts of Drugs acting on Central Nervous System</li> <li>The learner should be able to acquire knowledge of Autacoids; Drug therapy of inflammation</li> <li>The learner should be able to understand basic concepts of Drugs acting on gastrointestinal tract</li> <li>The learner should be able to acquire knowledge of toxicology</li> </ol>
56	BPH T 7.4	Pharmaceutics – IV	<ol style="list-style-type: none"> <li>The learner should be able to understand Parenteral products</li> <li>The learner should be able to understand basic concepts of Ophthalmic Products</li> <li>The learner should be able to understand importance of Oral sustained and controlled release systems</li> <li>The learner should be able to acquire knowledge of Stability Studies</li> </ol>
57	BPH T 7.5	Pharmacognosy & Phytochemistry – II	<ol style="list-style-type: none"> <li>The learner should be able to understand basic lipids and Tannins drugs in detail</li> <li>The learner should be able to acquire knowledge of Alkaloids &amp; Glycosides containing drug</li> <li>The learner should be able to understand pesticides of natural origin</li> <li>The learner should be able to understand commonly found drugs used as Nutraceuticals</li> </ol>
58	BPH T 7.6	Pharmaceutical Jurisprudence	<ol style="list-style-type: none"> <li>The learner should be able to acquire the knowledge and importance of Pharmacy Act 1948</li> <li>The learner should be able to acquire the knowledge and importance of Drugs and Cosmetics Act 1940 and rules 1945</li> <li>The learner should be able to understand importance of Drugs and Magic Remedies (objectionable advertisements) act 1954</li> <li>The learner should be able to understand rule and regulation as per Narcotic Drugs and Psychotropic Substances Act</li> </ol>
59	BPH P 7.7	Pharmaceutical Analysis Lab. – III	<ol style="list-style-type: none"> <li>The learner should be able to acquire the knowledge of UV spectrophotometric estimation of components by simultaneous equation method, &amp; absorbance ratio method</li> <li>The learner should be able to acquire the knowledge of determination of concentration of sample by UV spectroscopy</li> <li>The learner should be able to understand importance of Separation and identification of compounds by TLC</li> <li>The learner should be able to estimate pKa by UV spectroscopy</li> </ol>
60	BPH P 7.8	Pharmaceutics Lab. – IV	<ol style="list-style-type: none"> <li>The learner should be able to understand formulation and monographic testing of Water for Injection IP.</li> <li>The learner should be able to understand formulation and monographic testing of Glass containers and rubber closures as per IP.</li> <li>The learner should be able to acquire the knowledge of accelerated stability testing of Aspirin</li> <li>The learner should be able to acquire the knowledge of sterility test and environmental control</li> </ol>
61	BPH P 7.9	Pharmacology Lab. – II	<ol style="list-style-type: none"> <li>The learner should be able to estimate bioassay of Acetylcholine using suitable isolated tissue</li> <li>The learner should be able to estimate bioassay of oxytocin.</li> <li>The learner should be able to acquire the knowledge of CPCSEA</li> <li>The learner should be able to acquire the knowledge of acute, sub-acute and chronic toxicity studies.</li> </ol>
62	BPH P 7.10	Pharmacognosy & Phytochemistry – Lab II	<ol style="list-style-type: none"> <li>The learner should be able to acquire the knowledge of how to morphologically identify crude drugs</li> <li>The learner should be able to study of morphology, histology and powder characteristics of crude drugs</li> <li>The learner should be able to understand the importance of extraction, chemical tests and TLC of crude drugs</li> <li>The learner should be able to acquire the knowledge of extraction and quantification of alkaloid by U.V</li> </ol>