Course Outcomes - M. Pharmacy PHARMACEUTICAL ANALYSIS

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| **Sl. No.** | **Name of the Program** | **Name of the Course** | **Course Outcome** |
| 1 | **M. Pharm. I Year I Sem** | **ADVANCED PHARMACEUTICAL ANALYSIS** | The quantitative determination of various organic compounds is clearly understood. The spectral analysis, dissolution parameters and microbial assays are also learned. |
| 2 | **FOOD ANALYSIS** | At completion of this course student shall be able to understand various analytical  techniques in the determination of   Food constituents   Food additives   Finished food products   Pesticides in food   And also student shall have the knowledge on food regulations and legislations |
| 3 | **MODERN PHARMACEUTICAL ANALYTICAL TECHNIQUES** | Upon completion of the subject student shall be able to   Explain the aspect of validation   Carryout validation of manufacturing processes   Apply the knowledge of validation to instruments and equipments   Validate the manufacturing facilities |
| 4 | **PHARMACEUTICAL VALIDATION** | The appreciable knowledge will be gained by the students in the Modern  Analytical Techniques and can apply the theories in the Analysis of various bulk drugs and their formulations. The students will also be in a position to apply their knowledge in developing the new methods for the determination and validate the procedures |
| 5 | **PHARMACEUTICAL MANAGEMENT** | **Course Outcomes:**  These topics are useful for the students to know how to manage a pharma industry and itsvarious departments viz QA, QC, RA, Production etc.  Along with this it aids the students to develop leadership qualities, communication  &interpersonal skills, decisions making, motivation, organization &various managerial functions& professional skills required for a dynamic professional.  Management helps to understand the concept of managerial control, its levels &role, importancein pharma industry |

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| **Sl. No.** | **Name of the Program** | **Name of the Course** | **Course Outcome** |
| 1 | **M. Pharm. I Year II Sem** | **ADVANCED INSTRUMENTAL ANALYSIS** | By the completion of topics the students will come out with the thorough knowledge of various spectral aspects of X-Ray, IR, SEM, ORD etc which help them in further projects works and also industrial opportunities. |
| 2 | **QUALITY CONTROL AND QUALITY ASSURANCE** | The study of this subject builds the confidence in the minds on the students to develop and formulate high quality pharmaceutical products. |
| 3 | **MODERN BIO-ANALYTICAL TECHNIQUES** | Upon completion of the course, the student shall be able to understand   Extraction of drugs from biological samples   Separation of drugs from biological samples using different techniques   Guidelines for BA/BE studies |
| 4 | **SPECTRAL ANALYSIS** | By the completion of topics the students will come out with the thorough knowledge of various spectral aspects of X-Ray, IR, SEM, ORD etc which help them in further projects works and also industrial opportunities. |
| 5 | **STABILITY OF DRUGS AND DOSAGE FORMS** | The students should describe the evaluation of stability of solutions, solids, and formulations against adverse conditions. The students should be able to suggest the measures to retain stability and storage conditions for retaining the efficacy of the products. |