

Practical Based Learning Modules by RB Science

MODULE 1

One month complete training

Duration	-	25 days
Number of hours	-	125 (Theory 35, Practical 90)
Course content	-	All practical aspects preformulation study, tablet formulation, IPQC of solid dosage form, handling of UV and HPLC, microbiological training, extraction of phytoconstituents from plants, TLC, preparation for job interview
Outcome	-	The candidate will be able to have a sound practical knowledge of all pharmaceutical processes which would benefit him in job interviews (production and QC department) and research
Cost per student	-	Rs. 5000/-

MODULE 2

15 Day training

Duration	-	12 working days
Number of hours	-	60 (Theory 20, Practical 40)
Course content	-	All practical aspects tablet formulation, IPQC of solid dosage form, handling of UV and HPLC, microbiological training.
Outcome	-	The candidate will be able to have a sound practical knowledge of all testing of tablets and basic microbiological techniques.
Cost per student	-	Rs. 3500/-

MODULE 3

Handling of UV Spectrophotometer

Duration	-	02 Days
Number of hours	-	10 (Theory 02, Practical 08)
Course content	-	All practical aspects of UV spectrophotometry (stock solution, sample solution preparation, working standard and unknown sample analysis)
Outcome	-	The candidate will be able to perform analytical operations involving UV spectrophotometer (an essential instrument in Quality Control of Pharmaceuticals)
Cost per student	-	Rs. 700/-

MODULE 4

Handling of High Performance Liquid Chromatography (HPLC) instrument

Duration	-	02 Days
Number of hours	-	10 (Theory 02, Practical 08)
Course content	-	All practical aspects of HPLC (method setup, column washing, stock solution, sample solution preparation, working standard and unknown sample analysis)
Outcome	-	The candidate will be able to perform analytical operations involving HPLC (an essential instrument in Quality Control of Pharmaceuticals)
Cost per student	-	Rs. 1000/-

MODULE 5

IPQC of solid dosage forms

Duration	-	02 Days
Number of hours	-	10 (Theory 02, Practical 08)
Course content	-	All practical aspects of in process quality control parameters of solid dosage forms (powder, capsules, tablets)
Outcome	-	The candidate will be able to perform specification testing of raw materials and finished products (tablets, capsules)
Cost per student	-	Rs. 700/-

MODULE 6

Formulation and IPQC testing of tablets

Duration	-	02 Days
Number of hours	-	10 (Theory 02, Practical 08)
Course content	-	All practical aspects of formulating granules, punching of tablets and in process quality checks of tablets
Outcome	-	The candidate will be able to formulate tablet dosage form effectively and would be able to talk confidently in interview about tablet manufacturing
Cost per student	-	Rs. 1000/-

MODULE 7**Practical Aspects of Microbiology**

Duration	-	02 Days
Number of hours	-	10 (Theory 02, Practical 08)
Course content	-	Preparation of broth, plate, culturing of microorganism
Outcome	-	The candidate will be able to perform microbiological testing which is required in quality control of parenteral products
Cost per student	-	Rs. 700/-

NOTE - Any other module (if the institution feels) might be considered for inclusion in our training modules.