

Subject Code: MQA205P	Subject Title: PHARMACEUTICAL QUALITY ASSURANCE PRACTICAL II
Pre-requisite Subject	- NONE -

Teaching Scheme (Hours per week)				Evaluation Scheme (Marks)		
Lecture	Tutorial	Practical	Credit	Practical (P)		Total Marks
				University Assessment	Continuous Assessment	Practical
NA	NA	12	6	100	50	150

PRACTICALS

- Organic contaminants residue analysis by HPLC
- Estimation of Metallic contaminants by Flame photometer
- Identification of antibiotic residue by TLC
- Estimation of Hydrogen Sulphide in Air.
- Estimation of Chlorine in Work Environment.
- Sampling and analysis of SO₂ using Colorimetric method
- Qualification of following Pharma equipment
 - Autoclave
 - Hot air oven
 - Powder Mixer (Dry)
 - Tablet Compression Machine
- Validation of an analytical method for a drug
- Validation of a processing area
- Qualification of at least two analytical instruments
- Cleaning validation of one equipment
- Qualification of Pharmaceutical Testing Equipment (Dissolution testing apparatus, Friability Apparatus, Disintegration Tester)
- Check list for Bulk Pharmaceutical Chemicals vendors
- Check list for tableting production.
- Check list for sterile production area
- Check list for Water for injection.
- Design of plant layout: Sterile and non-sterile
- Case study on application of QbD
- Case study on application of PAT