<u>List of equipment required for First Degree Programme (BSc) in Chemistry/Industrial</u> <u>Chemistry</u>

The following equipment&safety measures are necessary forthe Undergraduate Chemistry Laboratory Coursefor the smooth and efficient conducting of practical for the First Degree Programme (BSc) in Chemistry, Industrial Chemistry&all other Programmes with Chemistry as major subject.

SI.No	Equipment	No.	Remark
1	Electric Centrifuge	3	Qualitative analysis of ions
2	Computer with internet facility, Graphical toolexcel and Origin-Chemistry related software: Chem Sketch, Chem Draw etc.	5	Familiarise with graphical tools, structural drawing etc
3	Hot air Oven	1	Dryingof precipitates
4	Bunsen Burner	15	Heating purpose
5	Electric Bunsen Burner	15	Gravimetric analysis
6	Vacuumpump	1	Organic preparations
7	Electronic balance(4 digit)	1	Measurement of mass
8	Conductivity meter	2	Conductometry
9	Potentiometer	2	Potentiometry
10	Abbe Refractometer	2	Refractometric analysis
11	Stalagmometer	2	Surface tension
12	Ostwald viscometer	2	Viscosity
13	Sensitive Thermometer	10	Temperature measurement
14	Spectrophotometer/Colourimeter	1	Colourimetric experiments
15	RB flask & water condenser	10	Organic preparations
16	Refrigerator&ice maker	1	Storing chemicals& Ice for organic preparation
17	IR lamp	2	Drying samples
18	Water analyser (for BSc Industrial Chemistry)	1	Water analysis
19	Emergency eye wash	1	Safety mandate
20	Class ABC (dry) fire extinguishers	2	Safety mandate
21	Class B Carbon dioxide type fire extinguisher	1	Safety mandate
22	First aid kit	1	Safety mandate