

DRAVYAGUNA- UG Course

S. No.	Essential Equipment and Instruments	Count/Availability of Instruments / Equipments
1	Microscope (trinocular with digital camera, including software for projection through liquid crystal display or smart board or smart television for demonstration of histology and others)	01
2	Magnification lens with light	05
3	Microscope (Binocular with digital camera, including software for projection through liquid crystal display or smart board or smart television for demonstration of histology and others)	05
4	Digital weighing scale (up to 10 grams with accuracy 0.001 milligram)	01
5	Digital weighing scale (10-100 grams with accuracy 0.001 gram)	02
6	Thin layer chromatography kit with thin layer chromatography applicator,	01
7	Hot air oven	01
8	Muffle furnace	01
9	Digital pH (per Hydrogen Ion Concentration) Meter	01
10	Ostwald viscometer	05
11	Pycnometer or specific gravity bottle	16
12	Soxhlet's extraction apparatus	01
13	Heating mantle (250,500 and 1000 millilitre)	03 (1 set)
14	Bunsen burner electric or gas burner	10
15	Water bath (rectangular)	01
16	Ultraviolet-cabinet	01
17	Desiccator	01

Total	:	56
Stock register with Bills	:	Available



Glassware, Consumables and Lab wares

S. No.	Reagents/Liquids/Others	Availability
1	Dropper	10
2	Needle	10
3	Sharp razor blades	02 Packets
4	Pipe clay triangles	10
5	Wire mesh	10
6	Test tube holders	15
7	Reagent bottles	06
8	Test tube stands	06
9	Tripod stand	15
10	Pair of tong	05
11	Test tubes	250
12	Thin layer chromatography plates 20x20cm (pre-coated)	10
13	Evaporating dish	05
14	Silica crucible	01
15	Beakers two hundred milliliter	55
16	Glass rods	05
17	Conical flasks two hundred fifty milliliter	06
18	Glass funnels	04
19	Chemicals	01
20	Safranin	01
21	Light green	01
22	Sudan red- III	01
23	Glycerine	01
24	Dragendorff's reagent	01
25	Millon's reagent	01
26	Wagner's reagent	01
27	Benedict's solution	01
28	Fehling's solution	01
29	Iodine solution	01
30	Methanol	01
31	Distilled water	10 Ltr.
32	Ethanol	01
33	Hydrochloric acid	01
34	Sulphuric acid	01
35	Chloroform	01
36	Phloroglucinol	01
37	Acetic acid	01
38	Ferric chloride	01
39	Potassium iodide	01
40	Magnesium turnings	01
41	Ethyl acetate	01
42	Toluene	01
43	Silica gel GF-254	01
44	Blotting or filter papers	30 Mtr.
45	Microscope slides and cover slips	210



DRAVYAGUNA – PG Course

S. No.	Essential Equipment and Instruments	Count/Availability of Instruments / Equipments
1	Centrifuge	1
2	Rotary Evaporator	1
3	Digital pH Meter	1
4	Autoclave	1
5	Mortar and Pestle	1
6	Shaker	1
7	Water Bath	1
8	Homogenizer	1
9	Heating Mantle	1
10	Digital Thermometer	2
11	Consumables	Available

