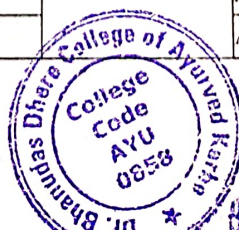


SCHEDULE IX

Minimum Essential Requirements for Department of Dravyaguna

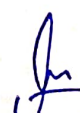
Serial number	Standard	Requirement as per intake capacity				Available Quantity	Deficiency
		60	100	150	200		
1.	Computer with internet	1	1	1	1	1	NA
2.	Printer	1	1	1	1	1	NA
3.	Electronic-Display (smart board or smart television or light emitting diodes display)	1	1	2	2	1	NA
Dravyaguna Laboratory Museum cum Herbarium							
4.	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)	1	1	2	2	1	NA
5.	Microscope [binocular with eyepiece (wide field), objectives (10x, 40x spring loaded, 100x oil immersion spring loaded) built-in illumination]	5	10	15	20	10	NA
6.	Dissecting microscope	5	10	15	20	10	NA
7.	Magnification lens with light	5	10	15	20	10	NA
8.	Dissection box	5	10	15	20	10	NA
9.	Digital weighing scale (upto 10 grams with accuracy 0.001 miligram)	2	3	4	5	3	NA
10.	Digital weighing scale (10-100 grams with accuracy 0.001 gram)	2	3	4	5	3	NA
11.	Thin layer chromatography kit with thin layer chromatography applicator, thin layer chromatography platform, atomizer, glass plates thin layer chromatography chamber and thin layer chromatography scale	1	1	2	2	1	NA
12.	Hot air oven	1	1	2	2	1	NA
13.	Muffle furnace	1	1	2	2	1	NA
14.	Digital pH (per Hydrogen Ion Concentration) Meter	1	1	2	2	1	NA
15.	Ostwald viscometer	5	10	15	20	10	NA
16.	Pycnometer or specific gravity bottle	5	10	15	20	10	NA
17.	Soxhlet's extraction apparatus	1	1	2	2	1	NA
18.	Heating mantle (250, 500 and 1000 millilitre)	One each		Two each		3	
19.	Bunsen burner electric or gas burner	10	15	20	25	15	NA
20.	Enamel trays	10	15	20	25	15	NA
21.	Water bath (rectangular)	1	1	2	2	1	NA
22.	Ultraviolet-cabinet	1	1	2	2	1	NA
23.	Desiccator	1	1	2	2	1	NA
Lab wares							
24.	Dropper	Assorted				Assorted	NA
25.	Needle					Assorted	NA
26.	Sharp razor blades					Assorted	NA
27.	Pipe clay triangles					Assorted	NA



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28.	Wire mesh		Assorted	NA
29.	Test tube holders		Assorted	NA
30.	Reagent bottles		Assorted	NA
31.	Test tube stands		Assorted	NA
32.	Tripod stand		Assorted	NA
33.	Pair of tong		Assorted	NA
Glassware and consumables				
34.	Test tubes	Assorted	Assorted	NA
35.	Thin layer chromatography plates 20x20cm (pre coated)		Assorted	NA
36.	Evaporating dish		Assorted	NA
37.	Silica crucible		Assorted	NA
38.	Beakers two hundred millilitre		Assorted	NA
39.	Glass rods		Assorted	NA
40.	Conical flasks two hundred fifty millilitre		Assorted	NA
41.	Glass funnels		Assorted	NA
42.	Chemicals		Assorted	NA
43.	Safranin		Assorted	NA
44.	Light green		Assorted	NA
45.	Sudan red- III		Assorted	NA
46.	Glycerine		Assorted	NA
47.	Dragendorff's reagent		Assorted	NA
48.	Millon's reagent		Assorted	NA
49.	Wagner's reagent		Assorted	NA
50.	Benedict's solution		Assorted	NA
51.	Fehling's solution		Assorted	NA
52.	Iodine solution		Assorted	NA
53.	Methanol		Assorted	NA
54.	Distilled water		Assorted	NA
55.	Ethanol		Assorted	NA
56.	Hydrochloric acid		Assorted	NA
57.	Sulphuric acid		Assorted	NA
58.	Chloroform		Assorted	NA
59.	Phloroglucinol		Assorted	NA
60.	Acetic acid		Assorted	NA
61.	Ferric chloride		Assorted	NA
62.	Potassium iodide		Assorted	NA
63.	Magnesium turnings		Assorted	NA
64.	Ethyl acetate		Assorted	NA
65.	Toluene		Assorted	NA
66.	Silica gel GF-254		Assorted	NA
67.	Blotting or filter papers		Assorted	NA
68.	Microscope slides and cover slips		Assorted	NA




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