

## 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	
2.	Printer	1	1	1	1	1	
3.	Electronic-Display (smart board or smart television or light emitting diodes display)	1	1	2	2	1	
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	
5.	Microscope [binocular with eyepiece (wide field), objectives (10x, 40x spring loaded, 100x oil immersion spring loaded) built-in illumination]	5	10	15	20	5	
6.	Dissecting microscope	5	10	15	20	5	
7.	Magnification lens with light	5	10	15	20	5	
8.	Dissection box	5	10	15	20	5	
9.	Digital weighing scale (upto 10 grams with accuracy 0.001 milligram)	2	3	4	5	2	
10.	Digital weighing scale (10-100 grams with accuracy 0.001 gram)	2	3	4	5	2	
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	
12.	Hot air oven	1	1	2	2	1	
13.	Muffle furnace	1	1	2	2	1	
14.	Digital pH (per Hydrogen Ion Concentration) Meter	1	1	2	2	1	
15.	Ostwald viscometer	5	10	15	20	5	
16.	Pycnometer or specific gravity bottle	5	10	15	20	5	
17.	Soxhlet's extraction apparatus	1	1	2	2	1	
18.	Heating mantle (250, 500 and 1000 millilitre)	One each		Two each		60	
19.	Bunsen burner electric or gas burner	10	15	20	25	10	
20.	Enamel trays	10	15	20	25	10	
21.	Water bath (rectangular)	1	1	2	2	1	
22.	Ultraviolet-cabinet	1	1	2	2	1	
23.	Desiccator	1	1	2	2	1	
<b>Lab wares</b>							
24.	Dropper	Assorted				Assorted	
25.	Needle					Assorted	
26.	Sharp razor blades					Assorted	
27.	Pipe clay triangles					Assorted	

Signature of Member

Signature of Member

Signature of Chairman

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

*Patil*

Principal

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