

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	Not available	
5.	Microscope [binocular with eyepiece (wide field), objectives (10x, 40x spring loaded, 100x oil immersion spring loaded) built-in illumination]	5	10	15	20	02	
6.	Dissecting microscope	5	10	15	20	10	
7.	Magnification lens with light	5	10	15	20	Not available	
8.	Dissection box	5	10	15	20	Not available	
9.	Digital weighing scale (upto 10 grams with accuracy 0.001 miligram)	2	3	4	5	Not available	
10.	Digital weighing scale (10-100 grams with accuracy 0.001 gram)	2	3	4	5	1	
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	Not available	
12.	Hot air oven	1	1	2	2	Not available	
13.	Muffle furnace	1	1	2	2	Not available	
14.	Digital pH (per Hydrogen Ion Concentration) Meter	1	1	2	2	Not available	
15.	Ostwald viscometer	5	10	15	20	5	
16.	Pycnometer or specific gravity bottle	5	10	15	20	10	
17.	Soxhlet's extraction apparatus	1	1	2	2	Not available	
18.	Heating mantle (250, 500 and 1000 millilitre)	One each		Two each		Not available	
19.	Bunsen burner electric or gas burner	10	15	20	25	Not available	
20.	Enamel trays	10	15	20	25	8	
21.	Water bath (rectangular)	1	1	2	2	Not available	
22.	Ultraviolet-cabinet	1	1	2	2	Not available	

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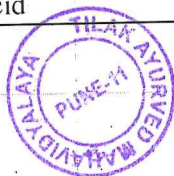


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23.	Desiccator	1	1	2	2	Not available		
Lab wares								
24.	Dropper	Assorted	Not available					
25.	Needle		Not available					
26.	Sharp razor blades		Available					
27.	Pipe clay triangles		Not available					
28.	Wire mesh		Not available					
29.	Test tube holders		Available					
30.	Reagent bottles		Available					
31.	Test tube stands		Available					
32.	Tripod stand		Not available					
33.	Pair of tong		Not available					
Glassware and consumables								
34.	Test tubes	Assorted	Available					
35.	Thin layer chromatography plates 20x20cm (pre coated)		Not available					
36.	Evaporating dish		Available					
37.	Silica crucible		Not available					
38.	Beakers two hundred millilitre		Available					
39.	Glass rods		Available					
40.	Conical flasks two hundred fifty millilitre		Available					
41.	Glass funnels		Available					
42.	Chemicals							
43.	Safranin		Available					
44.	Light green		Available					
45.	Sudan red- III		Available					
46.	Glycerine		Available					
47.	Dragendorff's reagent		Available					
48.	Millon's reagent		Available					
49.	Wagner's reagent		Available					
50.	Benedict's solution		Available					
51.	Fehling's solution		Available					
52.	Iodine solution		Available					
53.	Methanol		Available					
54.	Distilled water		Available					
55.	Ethanol		Available					
56.	Hydrochloric acid		Available					
57.	Sulphuric acid		Available					
58.	Chloroform		Available					
59.	Phloroglucinol		Not available					
60.	Acetic acid	Available						

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61.	Ferric chloride	Not available	
62.	Potassium iodide	Not available	
63.	Magnesium turnings	Not available	
64.	Ethyl acetate	Not available	
65.	Toluene	Not available	
66.	Silica gel GF-254	Not available	
67.	Blotting or filter papers	Available	
68.	Microscope slides and cover slips	Available	


I/c Principal
Tilak Ayurved Mahavidyalaya
Pune - 11



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Signature of Chairman