

**SCHEDULE IX-A (As per MSR 2016)**

\*Minimum Essential Requirements for Department of Dravyaguna

S. No.	Equipment and Instruments	Up to 60 intake capacity	Available	Deficiency
<b>Essential</b>				
1	Field magnifier	One	One	
2	Compound microscope	One	One	
3	Dissecting Microscope	One	One	
4	Microscope	Fifteen	Fifteen	
5	Electronic balance	One	One	
<b>Miscellaneous</b>				
6	Slides box with cover slips,	Assorted	Assorted	
7	Blotting/filter papers	Assorted	Assorted	
8	Dissection Box	Assorted	Assorted	
9	Enamel Trays	Assorted	Assorted	
10	<b>Reagents-</b>			
a.	Chloroform	Assorted	Assorted	
b.	Alcohol.	Assorted	Assorted	
c.	HCL	Assorted	Assorted	
d.	Sulphuric acid	Assorted	Assorted	
e.	Sodium, potassium hydroxide	Assorted	Assorted	
f.	Benedict solution	Assorted	Assorted	
g.	Sodium nitrate	Assorted	Assorted	
h.	Potassium nitrate	Assorted	Assorted	
i.	Citric acid	Assorted	Assorted	
j.	Iodine	Assorted	Assorted	
k.	Ethyl Alcohol	Assorted	Assorted	
l.	Potassium Iodide	Assorted	Assorted	
m.	Xylol/pure xylene (slide preparation)	Assorted	Assorted	

  
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**SCHEDULE IX-B (As per MSR 2024)**

**Minimum Essential Requirements for Department of Dravyaguna**

Serial number	Standard	Requirement as per intake capacity	Available Quantity	Deficiency
		60		
1	Computer with internet	1	1	
2	Printer	1	1	
3	Electronic-Display (smart board or smart television or light emitting diodes display)	1	-	
<b>Dravyaguna Laboratory Museum cum Herbarium</b>				
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	
	Microscope [binocular with eyepiece (wide field), objectives (10x, 40x spring loaded, 100x oil immersion spring loaded) built-in illumination]		-	
5		5	5	
6	Dissecting microscope	5	5	
7	Magnification lens with light	5	5	
8	Dissection box	5	5	
9	Digital weighing scale (upto 10 grams with accuracy 0.001 miligram)	2	2	
10	Digital weighing scale (10-100 grams with accuracy 0.001 gram)	2	2	
	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		-	
11		1		
12	Hot air oven	1	1	
13	Muffle furnace	1	1	
14	Digital pH (per Hydrogen Ion Concentration) Meter	1	1	
15	Ostwald viscometer	5	5	
16	Pycnometer or specific gravity bottle	5	-	
17	Soxhlet's extraction apparatus	1	1	
18	Heating mantle (250, 500 and 1000 millilitre)	One each	One each	
19	Bunsen burner electric or gas burner	10	10	
20	Enamel trays	10	10	
21	Water bath (rectangular)	1	1	
22	Ultraviolet-cabinet	1	-	
23	Desiccator	1	1	
<b>Lab wares</b>				
24	Dropper	Assorted	Assorted	
25	Needle		Assorted	
26	Sharp razor blades		Assorted	
27	Pipe clay triangles		Assorted	
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	
35	Thin layer chromatography plates 20x20cm (pre coated)		Assorted	
36	Evaporating dish	Assorted	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

  
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