

## SCHEDULE IX

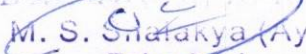
### Minimum Essential Requirements for Department of Dravyaguna

Serial number	Standard	Requirement as per intake capacity				Available Quantity	Deficiency
		60	100	150	200		
1.	Computer with internet	1	1	1	1	2	-
2.	Printer	1	1	1	1	1	-
3.	Electronic-Display (smart board or smart television or light emitting diodes display)	1	1	2	2	01	-
<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	2	2	01	-
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	-
6.	Dissecting microscope	5	10	15	20	10	-
7.	Magnification lens with light	5	10	15	20	-	In process
8.	Dissection box	5	10	15	20	10	-
9.	Digital weighing scale (upto 10 grams with accuracy 0.001 miligram)	2	3	4	5	3	-
10.	Digital weighing scale (10-100 grams with accuracy 0.001 gram)	2	3	4	5	3	-
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	10	-
16.	Pycnometer or specific gravity bottle	5	10	15	20	10	-
17.	Soxhlet's extraction apparatus	1	1	2	2	1	-
18.	Heating mantle (250, 500 and 1000 millilitre)	One each	Two each			250-1 500-1 1000-1	
19.	Bunsen burner electric or gas burner	10	15	20	25	15	-
20.	Enamel trays	10	15	20	25	15	-
21.	Water bath (rectangular)	1	1	2	2	1	-
22.	Ultraviolet-cabinet	1	1	2	2	-	In process
23.	Desiccator	1	1	2	2	1	-
<b>Lab wares</b>							
24.	Dropper	Assorted				20	-
25.	Needle					10	-
26.	Sharp razor blades					2	-
27.	Pipe clay triangles					1	-

Signature of Member


Signature of Member

Signature of Chairman

  
**M. S. Shalakyaa (Ayu)**  
**Principal**  
**B.M.A.M. Nagpur.**

28.	Wire mesh		1	-
29.	Test tube holders		20	-
30.	Reagent bottles		50ml-10 150ml-10 250ml-10 500ml-10	Available
31.	Test tube stands		06	-
32.	Tripod stand		05	-
33.	Pair of tong		10	-
<b>Glassware and consumables</b>				
34.	Test tubes	Assorted	30	-
35.	Thin layer chromatography plates 20x20cm (pre coated)		25	-
36.	Evaporating dish		1	-
37.	Silica crucible		1	-
38.	Beakers two hundred millilitre		250ml-10 500ml-10	-
39.	Glass rods		05	-
40.	Conical flasks two hundred fifty millilitre		10	-
41.	Glass funnels		05	-
	<b>Chemicals</b>			
42.	Safranin		125ml	-
43.	Light green		125 ml-	-
44.	Sudan red- III		25 gm	-
45.	Glycerine		500ml	-
46.	Dragendorff's reagent		125 ml	-
47.	Millon's reagent		125ml	-
48.	Wagner's reagent		500ml	-
49.	Benedict's solution		500ml-2	-
50.	Fehling's solution		500ml-2	-
51.	Iodine solution		100ml-1	-
52.	Methanol		500ml-1	-
53.	Distilled water		5 lit	-
54.	Ethanol		500ml-1	-
55.	Hydrochloric acid		500ml-1	-
56.	Sulphuric acid		500ml-1	-
57.	Chloroform		500ml-1	-
58.	Phloroglucinol		25gm-1	-
59.	Acetic acid		500ml-1	-
60.	Ferric chloride		500gm-1	-
61.	Potassium iodide		100gm-1	-
62.	Magnesium turnings		500gm-1	-
63.	Ethyl acetate		500ml-1	-
64.	Toluene		500ml-1	-
65.	Silica gel GF-254		500 gm	-
66.	Blotting filter papers		100 sheets	-
67.	Microscope slides and cover slips		02	-

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**Dr. Yuwaraj D. Kale**  
**M. S. Shalaky (Ayu)**  
**Principal**  
**B.M.A.M. Nagpur.**

Signature of Chairman  
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