

SCHEDULE X

Minimum essential requirements for department of Rasashastra and Bhaishajyakalpana including teaching pharmacy

Serial number	Standard or item required	Minimum requirements 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 (Smartboard or smart television or light emitting diodes display)	1	1	2	2	1	
Teaching pharmacy cum museum							
4.	Khalvayantra – small	10	15	20	25	10	
5.	Khalvayantra – medium	10	15	20	25	10	
6.	Khalvayantra – porcelain (different sizes)	10	15	20	25	10	
7.	Taptakhalvayantra	3	5	8	10	3	
8.	Pounding apparatus (ulukhalayantra)	3	5	8	10	3	
9.	Pestle and mortar glass	2	2	5	5	2	
10.	Putas (different kind)	3	3	5	8	3	
11.	Koshti with blower	2	4	6	8	2	
12.	Moosha (crucibles)	30	30	50	50	30	
13.	Dolayantra	1	1	1	1	1	
14.	Valukayantra	1	1	1	1	1	
15.	Pitharayantra	1	1	1	1	1	
16.	Bhudharayantra	1	1	1	1	1	
17.	Distillation apparatus and arkayantra	1	1	1	1	1	
18.	Kupipakvabhatti	1	1	1	1	1	
19.	Digital balance	1	1	1	1	1	
20.	Bottle sealing machine (Manual / Automatic)	1	1	1	1	1	
21.	Sealing machine	1	1	1	1	1	
22.	Filling machine	1	1	1	1	1	
23.	Distillation apparatus glass or Arkyantra one litre	2	2	4	4	2	
24.	Wet grinder	1	1	1	1	1	
25.	Mixer or grinder	1	1	1	1	1	
26.	Juice extractor	1	1	1	1	1	
27.	Ball mill (Stainless steel balls)	As Desirable				As Desirable	
28.	Tincture press	1	1	1	1	1	
29.	Refrigerator	1	1	1	1	1	
30.	Amirahand racks for storage	As required				As required	
31.	Electronic balance of different capacities (up to 100 grms with accuracy 1.0 milligram, 100 - 1000 grams with accuracy 1.0 gram, 1 kilogram and above)	3	3	3	3	3	
32.	Gas stoves	1	1	1	1	1	
33.	Hot plate	1	1	1	1	1	
34.	Chulla (charcoal)	1	1	1	1	1	
35.	Pulveriser (Lab Model)	1	1	1	1	1	
36.	Granulator	1	1	1	1	1	
37.	Hand operated tablet punching machine	1	1	1	1	1	

	oratorysize						
39.	Tabletpolishingpanlaboratorysize	1	1	1	1	1	
40.	Dryer	1	1	1	1	1	
41.	Homogenizer	1	1	1	1	1	
42.	Pillsmakingmachine	As Desirable				As Desirable	
43.	Endrunnermachine	As Desirable				As Desirable	
44.	Edgerunnermachine	As Desirable				As Desirable	
45.	Capsulefillingmachine	As Desirable				As Desirable	
46.	Doubleconeblender	As Desirable				As Desirable	
47.	Liquidfillingmachine	As Desirable				As Desirable	
48.	Planetary mixer (Lab Model)for ointment or cream	1	1	1	1	1	
49.	Mechanisedkharal-twoorfourarms	As Desirable				As Desirable	
50.	Chimneyorairhandlingunit	As Desirable				As Desirable	
51.	Mohshardnesstestkit	5	8	10	12	5	
52.	Hotairoven	1	1	1	1	1	
53.	Walkerssteelyard(forspecificgravityofminerals)	As Desirable				As Desirable	
54.	Automaticflaskshaker	1	1	1	1	1	
55.	Waterbath	1	1	1	1	1	
56.	DigitalpH(perHydrogenionConcentration) meter	1	1	1	1	1	
57.	Tablethardnesstester	1	1	1	1	1	
58.	Muffle furnace (Horizontal) 12 inches x 12 inches x 18 inches digital x maximum temp 1250°C.	1	1	2	2	1	
59.	Muffle furnace (Horizontal) (ash content tester) x digital display x maximum temp 900°C	1	1	2	2	1	
60.	Verticalfurnace-Kupipacktype(twobottles)XDigitalX Maximum temp 900°C	1	1	2	2	1	
61.	Non-contactinfraredthermocoupleK-type	1	1	2	2	1	
62.	ThermocoupleK-type	1	1	2	2	1	
63.	Desiccatorglass	As Desirable				As Desirable	
64.	Desiccatorwithvacuum	As Desirable				As Desirable	
65.	Vacuumpump	As Desirable				As Desirable	
66.	Collapsibletube-fillingandsealing equipment	As Desirable				As Desirable	
67.	Brassvessel						
68.	Coppervessel						
69.	Steelevessel						
70.	Earthenvessels-pots						
71.	Porcelaincrucible						
72.	Jars(porcelain)fermentationpurpose						

74.	Traydrier			
75.	Handgrindingmill			
76.	Pressurecooker			
77.	Mearuning equipement's different size (glass)		Assorted	
78.	Pyrometer	Assorted		
79.	Thermometer			
80.	Fryingpan			
81.	Steelvessel			
82.	Spatula			
83.	Ladlesand spoons			
84.	Knife			
85.	Plates			
86.	Samdamsayantra(tongs)			
87.	Sieves(assortednumbersandsize)			
88.	Kitchenaprons			
89.	Steeltrays			
90.	Ovengloves			
91.	Kadahi-iron			
92.	Aluminiumvessels			
93.	Clay graphite silver melting crucible maximum temp1500°C			
94.	Crucibletongs18inchesStainlesssteel			
95.	Ointmentspatula			
96.	Lipstickmoulds			
97.	SpecimensofRasashastraandBhaishajyaK alpanarelated samples in suitable display containers	Asrequired	Asrequired	


Principal
Shamrao Patil Institute of Ayurved
Research Centre And Hospital Paniv,
Tal.Malshiras,Dist.Solapur-413113