

SCHEDULE-XI

Minimum Essential Standards: Requirement Of Equipment And Instruments Etc., For Ilmul Saidla (Unani Pharmacy) Teaching Pharmacy or Practical Laboratory, Quality Testing Laboratory And Museum Cum Tutorial Room Under The Department Of Ilmul saidla (Unani Pharmacy)

Serial No.	Equipment and Instruments	sixty students intake capacity	One hundred students intake capacity	One hundred Fifty students intake capacity	Two hundred Students intake capacity	Available	Deficiency
(1)	(2)	(3)	(4)	(5)	(6)		
A	Computer, Printer with internet facility					Available	0
B	Departmental Library Number of Books Available: 53					Available	0
C	e-display (Smart board of smart television or light emitting diodes display and the like)					Available	0
A. Ilmul Saidla Practical Laboratory (Teaching Pharmacy)							
1	Silbatta						
	a. Small	Ten	-	-	-	10	0
	b. Medium	Ten	-	-	-	10	0
	c. Large	Ten	-	-	-	10	0
2	Kharaal (Pestle and mortar)						
	a. Sange Marmar	Two	-	-	-	2	0
	b. Sange Siyah	Two	-	-	-	2	0
	c. Sange Summaq	Two	-	-	-	2	0
	d. Porcelain	Ten	-	-	-	10	0
	e. Iron	Two	-	-	-	2	0
3	Distillation apparatus including traditional apparatus such as Qara Ambiq, Nal Bhabka, Patal Jantar, Jal Jantar, Damru Jantar, Tareeqe Lolabi, Tareeqe habli, Hammame mayiya etc.	One each	-	-	-	1	0
4	Havan Dasta (for Pounding)	Ten	-	-	-	10	0

5	Boota (Crucibles)	Ten	-	-	-	10	0	
6	Putt (bhatti) (Different kinds)	Ten	-	-	-	10	0	
7	Phunkni (Blower)	Two	-	-	-	2	0	
8	Heating device							
	a. Gas stove	Fifteen	-	-	-	15	0	
	b. Induction stove	As required				Available	0	
	c. Choolhaor Angeethi (Charcoal or wooden block)	As required				Available	0	
	d. Hotplate	As required				Available	0	
9	Balance different capacities							
	a. Physical	One	-	-	-	1	0	
	b. Electronic	One	-	-	-	1	0	
	c. Chemical	One	-	-	-	1	0	
	Vessels,jars,plates,tray etc.							
	a. Brass vessels and containers	Assorted				Available	0	
	b. Copper vessels and containers	Assorted				Available	0	
	c. Steel vessels and containers	Assorted				Available	0	
	d. Iron vessels and containers	Assorted				Available	0	
	e. Mud or Earthen vessels and containers	Assorted				Available	0	
	f. Frying pan	Assorted				Available	0	
	g. Spatula	Assorted				Available	0	
	h. Ladle and spoon	Assorted				Available	0	
	i. Steel plates	Assorted				Available	0	
	j. Enamel tray	Assorted				Available	0	
	k. Plastic tray	Assorted				Available	0	

	I. Jars and Containers	Assorted				Available	0
11	Grinding machines						
	a. Mixer grinder	One	-	-	-	1	0
	b. Wet grinder	One	-	-	-	1	0
12	Pyrometer	Assorted					
13	Refrigerator	One	-	-	-	1	0
14	Thermometer	As required				Available	0
15	Knives	Assorted				Available	0
16	Scrappers	Assorted				Available	0
17	Choppingpad	Assorted				Available	0
18	Measuring equipment of different sizes (glass)	Assorted				Available	0
19	Porcelain jars for fermentation purpose	Assorted				Available	0
20	Sieves (Different size and numbers)	Assorted				Available	0
21	Juice extractor	Assorted				Available	0
22	Pressure cooker	Assorted				Available	0
23	Fire extinguisher	One				Available	0
24	Spirit lamp	Assorted				Available	0
25	Almirahs and Racks for storage	Assorted				Available	0
<p>Note: 1. Putt (Bhatti) shall be maintained in the suitable area in the college premises to demonstrate different process. The listed items in the table are the minimum essential standard requirements. However, the department shall maintain facilities including equipment, instruments, etc., for the smooth conduct of practicals listed in the syllabus and for demonstrative teaching. Fire safety measures should be available.</p>							
B. Quality Testing Laboratory							
1	Tablet Disintegration apparatus					Available	0
2	Muffle furnace					Available	0
3	Soxhlet apparatus with heating unit					Available	0
4	Magnetic stirrer					Available	0

5	Water bath (Temperaturecontrolled)	1	0
6	Centrifuge	Available	0
7	Centrifuge tube	Available	0

8	Titration tube	Available	0
9	Glass or steel distillation apparatus	Available	0
10	Digital pH meter	Available	0
11	Table thardness tester	Available	0
12	Tablet friability tester	Available	0
13	Tablet dissolution tester	Available	0
14	Hydrometer	Available	0
15	Alcohol determination apparatus	Available	0
16	Verniercaliper	Available	0
17	Hot plate	Available	0
18	Heatingmantles	Available	0
19	Bulkdensity tester	Available	0
20	Rotaryshaker	Available	0
21	Ultravioletspectro-photometer(Optional)	Available	0
22	Refractometer	Available	0
23	Hotairoven (differentrangeoftemperature)	Available	0
24	Microwave oven	Available	0
25	Pyrometer	Available	0
26	PycnometerorSpecificgravity bottle	Available	0
27	Microscope(Simple)	Available	0
28	Microscopewith software(MoticorCarlzeis)(Optional)	Available	0
29	Compound microscope	Available	0
30	Microtome	Available	0
31	Microslide cabinet	Available	0

32	Dissection box	Available	0
33	Aluminum side trays	Available	0
34	Ocularmicrometer	Available	0
35	Stagemicrometer	Available	0
36	Camera Lucida Prismtype and mirror type(Optional)	Available	0
37	Boilingpoint and Meltingpoint determination apparatus	Available	0
38	Volatile oil determination apparatus(Clevenger apparatus)	Available	0
39	Viscometer(Ostwald's, Redwood)	Available	0
40	Glassware(beakers,funnel, testtubes, measuring cylinders,conicalflasks,glassrod,dropperetc)	Available	0
41	Pipette	Available	0
42	Chemicals and reagents	Available	0
43	Electronic balance	Available	0
44	Sieves haker(sieves10 to120)	Available	0
45	Flask shaker	Available	0
46	Slide with coverslip	Available	0
47	Pestle and mortar	Available	0
48	Litmus paper (blueandred)	Available	0
49	Hydrion pH paper	Available	0
50	Test tube rack	Available	0
51	Spatula,Spoon etc.,	Available	0
52	Filter paper	Available	0
53	Spirittlamp	Available	0
54	Round bottom glass with iron mesh	Available	0
55	Platinum wire	Available	0
56	Watch glass	Available	0
57	Bunsen burner	Available	0
58	Refrigerator	Available	0
59	Dehumidifier	Available	0

60	Liquified Petroleum Gas cylinder with burners		Available	0
61	Silica crucible		Available	0
62	Moisture determination apparatus		Available	0
63	Conductivity meter (Hand operated and bench top model)		Available	0
64	Nephelometer and Turbidimeter		Available	0
65	Thin layer chromatography apparatus and all accessories		Available	0
<p>Note: 1. Departments shall provide facilities to demonstrate or practice traditional methods of quality assessments. 2. The listed items in the table are minimum essential standard requirements. However, the department shall maintain and provide all facilities including equipment, instruments, chemicals or reagents etc., for practical training and demonstrative teaching.</p>				
C. Museum Cum Tutorial room				
1	Advia Nabatiya (Herbs)	Specimens	Available	0
2	Advia Madaniya (Metals and Minerals)	(Poisonous substances should be preserved safely in locked display shelf cabinet)	Available	0
3	Advia Haywaniya (Animal derivatives)		Available	0
4	Kushtajat, Khar, Rubb, Satt etc.		Samples in glass jars	Available
5	Qara Ambiq	Each one	Available	0
6	Nal Bhabka		Available	0
7	Patal Jantar		Available	0
8	Jal Jantar		Available	0
9	Damru Jantar		Available	0
10	Tareeqe Lolabi		Available	0
11	Tareeqe habli		Available	0
12	Hamamemayiya		Available	0
13	Jar Alaqi		Available	0