

SCHEDULE-VII

**MINIMUM ESSENTIAL STANDARDS: REQUIREMENT OF MODELS, EQUIPMENT AND INSTRUMENTS
ETC.,FOR KULLIYAT UMOORE TABIYA PRACTICAL LABORATORY CUM TUTORIAL
ROOM,MUSEUMCUMTUTORIAL ROOM FOR TAREEKH-E TIBB AND**

LANGUAGE LABORATORY UNDER THE DEPARTMENT OF KULLIYAT

Serial No. (1)	Instruments and Equipment (2)	sixty students intake capacity (3)	one hundred students intake capacity (4)	one hundred fifty students intake capacity (5)	two hundred students intake capacity (6)	Avai labl e	Defi cien cy.
# I. Kulliyat Umoore Tabiya Practical Lab cum Tutorial Room							
A. Charts for Demonstration							
1	Flow Chart of 'Ilme Tibb and its Classifications	Assorted				AVB	
2	Flow Chart of the Tabiat	Assorted				AVB	
3	Graphical representation of Kaifiyat-e Arba	Assorted				AVB	
4	Tabular representation of Arkan-e Arba with reference to Kaifiyat-e Arba	Assorted				AVB	
5	Demonstration of 'Anāsir Insāniyya in the Periodic Table	Assorted				AVB	
6	Flow Chart of the Mizaj	Assorted				AVB	
7	Tabular description of Ajnas-e Ashra to identify Human Temperament	Assorted				AVB	
8	Flow Charts for Akhlat-e Arba	Assorted				AVB	
9	Flow Charts for A'za	Assorted				AVB	
10	Flow Charts for Quwa	Assorted				AVB	
11	Flow Charts for Arwah	Assorted				AVB	
12	Flow Charts for Af'al	Assorted				AVB	
B. Models for Demonstration and Spotting							
13	Models for Aaza-e Raeesa	Assorted				AVB	
14	Models for Aazae- Adna	Assorted				AVB	
15	Models for Aaza-e Muhaiyya	Assorted				AVB	
16	Models for Aaza-e Muaddia	Assorted				AVB	
17	Models for Quwwat-e Nafsaniah	Assorted				AVB	
18	Models for Quwwat-e Haiwaniyah	Assorted				AVB	
19	Models for Quwwat-e Tabiyah	Assorted				AVB	
20	Models for Quwwat-e Tansauliyah	Assorted				AVB	
21	Models for Aaza-e Harrah	Assorted				AVB	
22	Models for Aaza-e Bandah	Assorted				AVB	
23	Models for Aaza-e Rataba	Assorted				AVB	
24	Models for Aaza-e Yabisa	Assorted				AVB	
25	Models for Aalat-e-Hawas-e Khamsa Zahirah	Assorted					
26	Models for Aaza-e Murakkaba	Assorted				AVB	
27	Models for Aaza-e Mufradah	Assorted				AVB	
28	Models for Aaza-e Manwiya	Assorted				AVB	
29	Models for Aaza-e Damwia	Assorted				AVB	
C. Practical Lab Equipments							
30	Blood Pressure Apparatus	One	AVB	Three	Four	AVB	
31	Microscope with oil immersion	Two	Four	Six	Eight	AVB	
32	Stethoscope	Five	Ten	Fifteen	Twenty	AVB	
33	Weighing Scale	One	One	One	One	AVB	
34	Height Scale	One	One	One	One	AVB	

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35	Stopwatch	One	One	One	One	AVB	
36	Thermometer	One	One	One	One	AVB	
37	Barometer	One	One	One	One	AVB	
38	Glucometer	One	One	One	One	AVB	
39	Pulse Oximeter	One	One	One	One	AVB	
40	Globe	Three	Four	Five	Six	AVB	
41	World Maps Large	Two	Two	Two	Two	AVB	
42	Glassware	One	One	One	One	AVB	
43	Surgical gloves	As required				AVB	
44	Gloves powder	As required				AVB	
45	Surgical blade	Assorted				AVB	
46	Soap	As required				AVB	
47	Disposable syringe and needle	Assorted				AVB	
48	Wash Basin	As required				AVB	
49	Glass jars	Assorted				AVB	
50	Refrigerator	One				AVB	
51	Prepared slides of Tissues	Assorted				AVB	
52	Spirit Lamp	As required				AVB	
53	Dropper	Assorted				AVB	
54	Test Tube	Assorted				AVB	
55	Test Tube Stand	Assorted				AVB	
56	Test Tube Holder	Assorted				AVB	
57	Yellow Top Tube or SST	Assorted				AVB	
58	Centrifuge Machine	As required				AVB	
59	Laboratory Thermometer	As required				AVB	
60	Hemocytometer	As required				AVB	
61	Cotton Bolls	Assorted				AVB	
62	Air Quality Monitor	As required				AVB	
63	Wintrobe Tube	As required				AVB	
64	Potential of Hydrogen (pH) Pen	As required				AVB	
65	A wire Loop	As required				AVB	
66	Incinerating Dish	As required				AVB	
67	Muffle Furnace	One				AVB	
68	Thermocouple	As required				AVB	
69	Newton's Color Disc	As required				AVB	
70	Wrist Arm Strength Gripper	As required				AVB	
71	Colorimeter	As required				AVB	
72	Lancets	As required				AVB	
73	Temperature Humidity Air Pressure Meter	As required				AVB	
74	Syringe	Assorted				AVB	

75	Ethylenediaminetetraacetic acid Tube	Assorted				AVB	
76	Fluoride Tube	Assorted				AVB	
77	Scissors	Assorted				AVB	
78	Treadmill	One				AVB	
79	Pole Climbing Apparatus	As required				AVB	

II. Museum Cum Tutorial Room for Tareekh-E Tib (History of Medicine)

	A. Pictures or Text or Historical description of the following:						
1	Babylonian Medicine: Hammurabi	Assorted				AVB	
2	Egyptian Medicine: Imhotep, Medical papyri	Assorted				AVB	
3	Chinese Medicine: Fu Hsi, Shen Nong, Huangdi	Assorted				AVB	
4	Ayurveda: Charaka, Sushruta	Assorted				AVB	
5	Unani Medicine: Asclepius I, Hygeia, Panacea, Telesphorus	Assorted				AVB	

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6	Buqrat (Hippocrates): The Father of Medicine	Assorted	AVB	
7	Siddha Medicine: eighteen Siddhars and Agasthiyar, the father of Siddha	Assorted	AVB	
8	Sowa-Rigpa system of Medicine	Assorted	AVB	
9	Greco-Roman: Galen (Jalinoos), Dioscorides	Assorted	AVB	
10	Greco-Arab: Rabban Tabri, Abu Sahl Masihi, Avicena (Ibn-e-Sina), Abuclasis (Abul Qasim Zahrawi), Hazen (Ibn-e- Haitham), Abu Rehan Al Al Barooni, Avenzoar (Ibn-e-Zuhr), Averroes (Ibn-e- Rushd), Maimonides (Moosa Bin Maimon), Ismail Jurjani, Ibn-e-Baytar, Najeebuddin Samaqandi, Ibn-e-Nafees, Nafees Bin 'Iwad Kirmani	Assorted	AVB	
11	Indian Unani Physicians: Zia Mohammad Massod Rashid Zangi, Shahab Abdul Karim Nagori, Ali Gilani, Akbar Arzani, Alvi Khan, Sharif Khan, Ahmad Gilani, Azam Khan, Ajmal Khan, Syed Ghulam Husnain Kantoori, Mohammad Kabiruddin	Assorted	AVB	
12	Distinguished Unani Institutions: Madarsae Iskandria, Madarsae Jundishahpur, Baitul Hikmat	Assorted	AVB	
13	Medical Code of Conduct: Hippocratic Oath, Hummurabi's Medical code of ethics, Code of Ethics of Chinese medicine, Code of Ethics of Ayurveda, Code of Ethics of Tibb-e-Nabvi, Ethical Code for the Physicians as Constituted by the National Commission for Indian System of Medicine	Assorted	AVB	
14	Unani Medical Text: Kitab al-Tabiyatul Insan, Fusool-e Buqratia (Hippocratic Corpus), Mu'aedah-e Buqratia, Jawame al-Iskandreeneen (Alexandrine Collection), Kitab al-Masail, 'Ashr Maqalat fil-'Ain, Firdaus-ul Hikmat, Kitab al-Hawi, Kitab al- Mansuri, Kamil Us-Sana'at, Kitab al- Mi'at, Al- Qanoon fi-Tib, Kitab al- Tasreef, Kitab al- Kulliyat, Zakheera-e Khwarzam Shahi, Kitab al-Asbab wa al-Alamat, Mo'jaz al-Qanoon, Sharah-e Asbab wa al- Alamat, Sharah-e Nafeesi,	Assorted	AVB	

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	Majmua-e Ziyai Tibb-e Shahabi, Sharah-e Qanoon, Tibb-e Akbar, Qarabadeen Quadri, Talkhees Tibb-e Nabwi, Mufarreh-ul Quloob, Jame-ul Jawame Ahmad Shahi, 'Ilaj-ul Amraz			
	B. Models			
15	Stone Plates (Khishti Takhtiyan)	Assorted	AVB	
16	Liver and Skull Model of Babylonian Medicine	Assorted	AVB	
17	Classical Model and Equipment used in Chinese Medicine	Assorted	AVB	
18	Classical Model and equipment used in Ayurveda, Siddha and Sowa-Rigpa	Assorted	AVB	
19	Classical Model and equipment used in Unani Medicine	Assorted	AVB	
	III. Language Laboratory			
	Note: The listed items in the table are minimum essential standard requirements. However, the department shall maintain and provide all facilities including equipment, instruments, specimens etc., for conducting practical listed in the syllabus and for demonstrative teaching.			

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SCHEDULE-VIII

**MINIMUM ESSENTIAL STANDARDS: REQUIREMENTS OF EQUIPMENT AND INSTRUMENTS FOR DISSECTION HALL,
PRACTICAL LABORATORY AND MUSEUM CUM TUTORIAL ROOM UNDER THE DEPARTMENT OF TASHREEHUL BADAN
(ANATOMY)**

Serial No. (1)	Instruments and Equipment (2)	sixty students intake capacity (3)	one hundred students intake capacity (4)	one hundred fifty students intake capacity (5)	two hundred students intake capacity (6)	Availa ble	Deficie ncy
A. Dissection Hall							
1	Tank with a capacity to preserve 2-4 bodies	Essential				AVB	
2	Dissection Sets	Ten	AVB	Twenty	Twenty-five		
3	Dissecting Table						
	a. Full size with stainless steel top or marble top	Three	AVB	Eight	Ten	AVB	
	b. Half size with stainless steel top or marble top	Three	AVB	Seven	Ten		
4	X-ray viewing box	Three	Four	Five	Six	AVB	
5	Bone cutter of the numbers ¾, ½, ¼, 1/8 – fine pointed Chisel bone dissector	As required				AVB	
6	Surgical gloves	As required				AVB	
7	Surgical blade	As required				AVB	
8	Disposable syringe and needle	As required				AVB	
9	Wash Basin	As required				AVB	
10	Preservative Chemicals	As required				AVB	
11	Glass jars	Assorted				AVB	
12	Embalming Machine (optional)	One				AVB	
13	Band saw (optional)	One				AVB	
14	Hand saw	One				AVB	
15	Histology slides	Assorted				AVB	
16	Binocular Microscope	Four	AVB	Eight	Ten		
17	Stools for students (preferably revolving)	Assorted				AVB	
18	Furniture and other equipment	Assorted					
Note: The listed items in the table are minimum essential standard requirements. However, the department shall maintain and provide all facilities including equipment, instruments, specimens etc., according to student intake capacity for smooth conduct of practicals listed in the syllabus and for demonstrative teaching.							
B. Museum cum Tutorial Room							
1	Specimens such as skeleton, bones, joints, preserved organs etc.,	As required				AVB	
2	Models or charts						

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SCHEDULE-IX

MINIMUM ESSENTIAL STANDARDS: REQUIREMENTS OF EQUIPMENT AND INSTRUMENTS FOR MANAFEUL AZA (PHYSIOLOGY) PRACTICAL LABORATORY AND TUTORIAL ROOM UNDER THE DEPARTMENT OF MANAFEUL AZA (PHYSIOLOGY)

Seria I No. (1)	Equipment and Instruments (2)	sixty students intake capacity (3)	One hundred students intake capacity (4)	One hundred Fifty students intake capacity (5)	Two hundred students intake capacity (6)	Available	Deficiency
1	Microscope with oil immersion	Thirty	Fifty	Seventy-five	One hundred	AVB	
2	Westergren's pipette for Erythrocyte Sedimentation Rate	Thirty	Fifty	Seventy-five	One hundred	AVB	
3	Westergren's stand	Thirty	Fifty	Seventy-five	One hundred	AVB	
4	Haematocrit Tube	Thirty	Fifty	Seventy-five	One hundred	AVB	
5	Packed Cell Volume (PCV) Pipette	Thirty	Fifty	Seventy-five	One hundred	AVB	
6	Sahli's Haemoglobinometer	Thirty	Fifty	Seventy-five	One hundred	AVB	
7	Haemocytometer	Thirty	Fifty	Seventy-five	One hundred	AVB	
8	Stethoscope	Ten	Twenty	Thirty	Forty	AVB	
9	Clinical Thermometer	Ten	Twenty	Thirty	Forty	AVB	
10	Knee Hammer	Ten	Twenty	Thirty	Forty	AVB	
11	BP Apparatus	Ten	Twenty	Thirty	Forty	AVB	
12	Tuning forks	Ten	Twenty	Thirty	Forty	AVB	
13	Electrocardiograph Machine	One	One	Two	Two	AVB	
14	Stop watches	Thirty	Fifty	Seventy-five	One hundred	AVB	
15	Water Distillation Unit	One	One	One	One	AVB	
16	Weighing machine	One	Two	Three	Four	AVB	
17	Height measuring stand	One	Two	Three	Four	AVB	
18	Balance-Electronic	One	Two	Three	Four	AVB	
19	Snellen chart	Two	Two	Four	Four	AVB	
20	Centrifuge with speed control	One	Two	Three	Four	AVB	
21	Colorimeter (Photoelectric)	One	Two	Three	Four	AVB	
22	pH Meter (Electric)	One	Two	Three	Four	AVB	
23	pH Comparator with disc	One	Two	Three	Four	AVB	
24	Newton's colour wheel	One	Two	Three	Four	AVB	
25	Sterilizer	One	One	Two	Two	AVB	
26	Peak expiratory flow meter	One	Two	Three	Four	AVB	
27	Spirometer	One	Two	Three	Four	AVB	
28	Urinometer	One	Two	Three	Four	AVB	
29	Compass aesthesiometer	One	One	Two	Two	AVB	
30	Thermal aesthesiometer	One	One	Two	Two	AVB	
31	Hand grip dynamometer	One	One	Two	Two	AVB	
32	Harvard step	One	One	Two	Two	AVB	
33	Lancet pen	Ten	Fifteen	Twenty	Twenty-five	AVB	
34	Disposable syringe and needles	As required				AVB	
35	Needle destroyer	As required				AVB	
36	Refrigerator	One	AVB	One	One	AVB	
37	Bunsen burner	Ten	AVB	Twenty	Twenty-five	AVB	
38	Spirit lamp	Six	AVB	Ten	Ten	AVB	
39	Tripod stand	Ten	AVB	Twenty	Twenty-five	AVB	
40	Cover slips	As required				AVB	
41	Glassware	As required				AVB	
42	Microslides	As required				AVB	

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43	Reagents	As required	AVB	
44	Torch	As required	AVB	
45	Measuring tape	As required	AVB	
46	Blotting paper	As required	AVB	
47	Stools for students (preferably revolving)	As required	AVB	
Note: The listed items in the table are minimum essential standard requirements. The department shall maintain and provide all facilities including equipment, instruments, chemicals/reagents, chart, models etc., according to student intake capacity for smooth conduct of the practicals listed in the syllabus and for demonstrative teaching.				

SCHEDULE-X

MINIMUM ESSENTIAL STANDARDS: REQUIREMENT OF EQUIPMENT AND INSTRUMENTS FOR ILMUL ADVIA (PHARMACOLOGY) PRACTICAL LABORATORY, WASFUL AQAQIR (PHARMACOGNOSY) PRACTICAL LABORATORY, HERBARIUM AND MUSEUM CUM TUTORIAL ROOM UNDER THE DEPARTMENT OF ILMUL ADVIA

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. Ilmul Advia Practical Laboratory							
1	Silbatta					AVB	
	a. Small	Two	Four	Eight	Ten	AVB	
	b. Medium	Two	Four	Eight	Ten	AVB	
	c. Large	Two	Four	Eight	Ten	AVB	
2	Kharal (Pestle and mortar)					AVB	
	a. Sange Marmar	Two	Four	Eight	Ten	AVB	
	b. Sange Siyah	Two	Four	Eight	Ten	AVB	
	c. Sange Sumaaq	Two	Four	Eight	Ten	AVB	
3	Distillation apparatus	One	One	One	One	AVB	
4	Soxhlet apparatus with heating unit	One	One	Two	Two	AVB	
5	Havan Dasta (for Pounding)	Two	Four	Eight	Ten	AVB	
6	Centrifuge	Two	Four	Six	Eight	AVB	
7	Clevenger Apparatus	Two	Two	Four	Four	AVB	
8	Centrifuge tube	As required				AVB	
9	Test tube	Assorted				AVB	
10	Test tube holder	Assorted				AVB	
11	Test tube rack	Assorted				AVB	
12	Conical flask	Assorted				AVB	
13	Glass rod size 8	As required				AVB	
14	Dropper	As required				AVB	
15	Beaker(100ml,250ml,500ml, 1000 ml)	As required				AVB	
16	Measuring jars (Glass) (10 ml, 25 ml, 100 ml, 500 ml)	As required				AVB	
17	Measuring jars (Plastic or Fiber) (10 ml, 25 ml, 100 ml,	As required				AVB	

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	500 ml)					
18	Heating device				AVB	
	a. Gas stove	As required			AVB	
	b. Bunsen burner	As required			AVB	
	c. Induction stove	As required			AVB	
19	Balance				AVB	
	a. Physical	One	One	Two	Two	AVB
	b. Electronic	One	Two	Three	Four	AVB
20	Refrigerator	One	One	One	One	AVB
21	Vessels					AVB
	a. Copper	Assorted				AVB
	b. Steel	Assorted				AVB
	c. Iron	Assorted				AVB
	d. Earthen	Assorted				AVB
22	Ladle, Spatula, Spoon etc.,	Assorted				AVB
23	Juice extractor	As required				AVB
24	Glass jars	As required				AVB
25	Pasteur pipette 1 ml	As required				AVB
26	Pipette	As required				AVB
27	Funnel	As required				AVB
28	Round bottom flask with iron mesh	As required				AVB
29	Watch glass 80 mm	As required				AVB
30	Platinum wire	As required				AVB
31	Brush	As required				AVB
32	Blotting or Filter paper	As required				AVB
33	pH indicator paper	As required				AVB
34	Knives	Assorted				AVB

35	Steel plates	Assorted				AVB
36	Enamel tray	Assorted				AVB
37	Areca nut cutter	As required				AVB
38	Chopping pad	Assorted				AVB
39	Surgical gloves	As required				AVB
40	Water bath	One	AVB	Two	Two	
41	Spirit lamp	As required				AVB
42	Chemicals and reagents	As required				AVB
43	Almirahs and racks for storage	As required				AVB
44	Test tubes and test tube racks	As required				AVB
45	Fire extinguisher	One				AVB
46	Muffle Furnace	One				AVB

Note: 1. The listed items in the table are minimum essential standard requirements. The department shall maintain and provide all facilities including equipment, instruments, chemicals or reagents etc., according to student intake capacity for the smooth conduct of practicals listed in the syllabus and for demonstrative teaching.

2. Fire safety measures should be available.

B. Wasful Aqaqir (Pharmacognosy) Practical Laboratory

Plant Anatomy						
1	Field magnifier	Six	Ten	Fifteen	Twenty	AVB
2	Trinocular microscope with digital camera	One	One	Two	Two	AVB
3	Compound microscope	Fifteen	Twenty	Twenty-five	Thirty	AVB

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4	Watch glass	Fifteen	Twenty	Forty	Fifty		
5	Micro slides (boxes)	Five	Ten	Fifteen	Twenty	AVB	
6	Cover glass (boxes)	Five	Ten	Fifteen	Twenty	AVB	
7	Wash bottles	Five	Ten	Fifteen	Twenty	AVB	
8	Slide box with permanent slides	Required as per the syllabus					
9	Plastic dropper bottle-10 ml	Thirty	Fifty	Seventy-five	Hundred	AVB	
10	Petri dishes-set	Thirty	Fifty	Seventy-five	Hundred	AVB	
11	Chemicals and reagents	As required				AVB	
Plant Taxonomy							
12	Dissecting Microscope	Thirty	Fifty	Seventy-five	Hundred	AVB	
13	Enamel trays	Fifteen	Twenty-five	Forty	Fifty	AVB	
14	Hand magnifier	Thirty	Fifty	Seventy-five	Hundred	AVB	
15	Specimen bottles (500 ml)	As required				AVB	
16	Dissection box with brushes, needles, and razor/blades	Thirty	Fifty	Seventy-five	Hundred	AVB	
17	Formaldehyde (Preservation)	As required				AVB	
Chromatography							
18	Thin Layer Chromatography Chamber	Fifteen	Twenty	Twenty-five	Fifty	AVB	
19	Thin layer chromatography pre-coated plates (in boxes)	One	Two	Three	Four	AVB	
20	Thin layer chromatography glass	Fifteen	Twenty	Twenty-five	Fifty	AVB	
	plates						
21	Mortar and Pestle	Five	Ten	Fifteen	Twenty	AVB	
22	Reagent bottle	Ten	Twenty	Thirty	Forty	AVB	
23	Beaker-250 ml	Ten	Twenty	Thirty	Forty	AVB	
24	Beaker-100 ml	Ten	Twenty	Thirty	Forty	AVB	
25	Conical flask	Five	Ten	Fifteen	Twenty	AVB	
26	Glass funnel	Ten	Twenty	Thirty	Forty	AVB	
27	Micro pipette	Fifteen	Twenty	Twenty-five	Fifty	AVB	
28	Measuring cylinder-10ml	Ten	Twenty	Thirty	Forty	AVB	
29	Measuring cylinder-25 ml	Ten	Twenty	Thirty	Forty	AVB	
30	Measuring cylinder- 100 ml	Ten	Twenty	Thirty	Forty	AVB	
31	Whatman filter paper roll	One	Two	Three	Four	AVB	
32	Filter paper round-box	Five	Ten	Fifteen	Twenty	AVB	
33	Capillary tube (Box)	One	Two	Three	Four	AVB	
34	Chemicals and reagents	As required				AVB	
Miscellaneous							
35	Electronic balance	One	Two	Three	Four	AVB	
36	Chemical balance	One	One	One	One	AVB	
37	Ocular micrometer	One	Two	Three	Four	AVB	
38	Stage micrometer	One	Two	Three	Four	AVB	
39	Camera Lucida prism type and mirror type (optional)	One	Two	Three	Four	AVB	
40	Hot plates	One	Two	Three	Four	AVB	
41	Liquified Petroleum Gas cylinder with burner	As required				AVB	
42	Stools for students (preferably revolving)	As required				AVB	
43	Refrigerator	One				AVB	

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Herbarium								
44	Plant press	Ten	Fifteen	Twenty	Twenty -five	AVB		
45	Wooden Field press	Ten	Fifteen	Twenty	Twenty -five	AVB		
46	Vasculum/Botanical box	Five	Ten	Fifteen	Twenty	AVB		
47	Herbarium cabinet	One	One	One	One	AVB		
48	Gardening tools for herbal garden (Spade, hand hoes, rake, crowbar, garden scissors, secateurs, water hose, hand sprinkler, sand bond etc.,	As required				AVB		
Note: The listed items in the table are minimum essential standard requirements. The department shall maintain and provide all facilities including equipment, instruments, chemicals or reagents etc., according to student intake capacity for the smooth conduct of practicals listed in the syllabus and for demonstrative teaching.								
C. Museum Cum Tutorial Room								
1	Advia Nabatiya (Herbs)	Specimens of concerned categories (Poisonous substances should be preserved safely in locked display shelf cabinet)				AVB		
2	Advia Madaniya (Metals and Minerals)							
3	Advia Haywaniya (Animal							
	derivatives)							
4	Herbarium cabinet with Urdu alphabetical cases	one hundred specimens	one hundred fifty specimens	two hundred specimens	two hundred fifty specimens	AVB		
5	Permanent microslide specimens	Twenty				AVB		

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. Ilmul Saidla Practical Laboratory (Teaching Pharmacy)							
1	Silbatta					AVB	
	a. Small	Ten	Twenty	Thirty	Forty	AVB	
	b. Medium	Ten	Twenty	Thirty	Forty	AVB	
	c. Large	Ten	Twenty	Thirty	Forty	AVB	

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2	Kharal (Pestle and mortar)					AVB	
	a. Sange Mamar	Two	Three	Four	Five	AVB	
	b. Sange Siyah	Two	Three	Four	Five	AVB	
	c. Sange Summaq	Two	Three	Four	Five	AVB	
	d. Porcelain	Ten	Twenty	Thirty	Forty	AVB	
	e. Iron	Two	Four	Six	Eight	AVB	
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	Two each	Three each	Four each	AVB	
4	Havan Dasta (for Pounding)	Ten	fifteen	Twenty	twenty-five	AVB	
5	Boota (Crucibles)	Ten	Twenty	Thirty	Forty	AVB	
6	Putt (bhatti) (Different kinds)	Ten	Ten	Ten	Ten	AVB	
7	Phunkni (Blower)	Two	Four	Six	Eight	AVB	
8	Heating device					AVB	
	a. Gas stove	Fifteen	Twenty	Twenty-five	Thirty	AVB	
	b. Induction stove	As required				AVB	
	c. Choolha or Angeethi (Charcoal or wooden block)	As required				AVB	
	d. Hot plate	As required				AVB	
9	Balance different capacities						
	a. Physical	One	Two	Three	Four	AVB	
	b. Electronic	One	Two	Three	Four	AVB	
	c. Chemical	One	One	Two	Two	AVB	
10	Vessels, jars, plates, tray etc.					AVB	
	a. Brass vessels and containers	Assorted				AVB	
	b. Copper vessels and containers	Assorted				AVB	
	c. Steel vessels and containers	Assorted				AVB	
	d. Iron vessels and containers	Assorted				AVB	
	e. Mud or Earthen vessels and containers	Assorted				AVB	
	f. Frying pan	Assorted				AVB	
	g. Spatula	Assorted				AVB	
	h. Ladle and spoon	Assorted				AVB	
	i. Steel plates	Assorted				AVB	
	j. Enamel tray	Assorted				AVB	
	k. Plastic tray	Assorted				AVB	
	l. Jars and Containers	Assorted				AVB	
11	Grinding machines					AVB	
	a. Mixer grinder	One	Two	Three	Four	AVB	
	b. Wet grinder	One	One	Two	Two	AVB	
12	Pyrometer	Assorted				AVB	
13	Refrigerator	One	One	One	One	AVB	
14	Thermometer	As required				AVB	
15	Knives	Assorted				AVB	
16	Scrappers	Assorted				AVB	
17	Chopping pad	Assorted				AVB	

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18	Measuring equipment of different sizes (glass)	Assorted	AVB	
19	Porcelain jars for fermentation purpose	Assorted	AVB	
20	Sieves (Different size and numbers)	Assorted	AVB	
21	Juice extractor	Assorted	AVB	
22	Pressure cooker	Assorted	AVB	
23	Fire extinguisher	One	AVB	
24	Spirit lamp	Assorted	AVB	
25	Almirahs and Racks for storage	Assorted	AVB	
<p>Note: 1. Putt (Bhatti) shall be maintained in the suitable area in the college premises to demonstrate different process.</p> <p>2. 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.</p> <p>3. Fire safety measures should be available.</p>				
# B. Quality Testing Laboratory			AVB	
1	Tablet Disintegration apparatus		AVB	
2	Muffle furnace		AVB	
3	Soxhlet apparatus with heating unit		AVB	
4	Magnetic stirrer		AVB	
5	Water bath (Temperature controlled)		AVB	
6	Centrifuge		AVB	
7	Centrifuge tube		AVB	

8	Titration tube		AVB	
9	Glass or steel distillation apparatus		AVB	
10	Digital pH meter		AVB	
11	Tablet hardness tester		AVB	
12	Tablet friability tester		AVB	
13	Tablet dissolution tester		AVB	
14	Hydrometer		AVB	
15	Alcohol determination apparatus		AVB	
16	Vernier caliper		AVB	
17	Hot plate		AVB	
18	Heating mantles		AVB	
19	Bulk density tester		AVB	
20	Rotary shaker		AVB	
21	Ultraviolet spectro-photometer (Optional)		AVB	
22	Refractometer		AVB	
23	Hot air oven (different range of temperature)		AVB	
24	Microwave oven		AVB	
25	Pyrometer		AVB	
26	Pycnometer or Specific gravity bottle		AVB	
27	Microscope (Simple)		AVB	
28	Microscope with software (Motic or Carlzeis) (Optional)		AVB	
29	Compound microscope		AVB	
30	Microtome		AVB	
31	Microslide cabinet		AVB	
32	Dissection box		AVB	
33	Aluminum side trays		AVB	
34	Ocular micrometer		AVB	
35	Stage micrometer		AVB	

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36	Camera Lucida Prism type and mirror type (Optional)	AVB	
37	Boiling point and Melting point determination apparatus	AVB	
38	Volatile oil determination apparatus (Clevenger apparatus)	AVB	
39	Viscometer (Ostwald's, Redwood)	AVB	
40	Glassware (beakers, funnel, test tubes, measuring cylinders, conical flasks, glass rod, dropper etc)	AVB	
41	Pipette	AVB	
42	Chemicals and reagents	AVB	
43	Electronic balance	AVB	
44	Sieve shaker (sieves 10 to 120)	AVB	
45	Flask shaker	AVB	
46	Slide with cover slip	AVB	
47	Pestle and mortar	AVB	
48	Litmus paper (blue and red)	AVB	
49	Hydron pH paper	AVB	
50	Test tube rack	AVB	
51	Spatula, Spoon etc.,	AVB	
52	Filter paper	AVB	
53	Spirit lamp	AVB	
54	Round bottom glass with iron mesh	AVB	
55	Platinum wire	AVB	
56	Watch glass	AVB	
57	Bunsen burner	AVB	
58	Refrigerator	AVB	
59	Dehumidifier	AVB	
60	Liquified Petroleum Gas cylinder with burners	AVB	
61	Silica crucible	AVB	
62	Moisture determination apparatus	AVB	
63	Conductivity meter (Hand operated and bench top model)	AVB	
64	Nephelometer and Turbidimeter	AVB	
65	Thin layer chromatography apparatus and all accessories	AVB	
<p>Note: 1. Department shall provide facilities to demonstrate or practice traditional methods of quality assessments</p> <p>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	AVB
2	Advia Madaniya (Metals and Minerals)	(Poisonous substances should be preserved safely in locked display shelf cabinet)	
3	Advia Haywaniya (Animal derivatives)		
4	Kushtajat, Khar, Rubb, Satt etc.	Samples in glass jars	AVB
5	Qara Ambiq	Each one	AVB
6	Nal Bhabka		
7	Patal Jantar		
8	Jal Jantar		
9	Damru Jantar		
10	Tareeqe Lolabi		
11	Tareeqe habli		
12	Hamame mayiya		
13	Jar Alaqi		

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SCHEDULE-XII

MINIMUM ESSENTIAL STANDARDS: REQUIREMENTS OF EQUIPMENT AND INSTRUMENTS ETC., FOR MAHIYATUL AMRAZ (PATHOLOGY) PRACTICAL LABORATORY AND MUSEUM CUM TUTORIAL ROOM UNDER THE DEPARTMENT OF MAHIYATUL AMRAZ (PATHOLOGY)

Ser ial No.	Equipment and Instruments	sixty stud ents intak e capacity	One hundred students intake capacity	One hundred Fifty students intake capacity	Two hundred students intake capacity	Availabl e	Deficienc y
(1)	(2)	(3)	(4)	(5)	(6)		
A. Mahiyatul Amraz (Pathology) Practical Laboratory							
1	Binocular microscope with oil immersion	Fifteen	Twenty-five	Forty	Fifty	AVB	
2	Microscope with oil immersion	Fifteen	Twenty-five	Forty	Fifty	AVB	
3	Monocular microscope with lens 20	Fifteen	Twenty-five	Forty	Fifty	AVB	
4	X-ray view box	One	One	Two	Two	AVB	
5	Sahli's Square tube (Haemoglobinometer)	Thirty	Fifty	Fifty	Fifty	AVB	
6	Hb pipette	Thirty	Fifty	Seventy-five	One hundred	AVB	
7	White Blood Cell pipette	Thirty	Fifty	Seventy-five	One hundred	AVB	
8	Dropper	Thirty	Fifty	Seventy-five	One hundred	AVB	
9	Red Cell pipette	Thirty	Fifty	Seventy-five	One hundred	AVB	
10	Improved Neubauer counting chamber	Thirty	Fifty	Seventy-five	One hundred	AVB	
11	Incubator	One	Two	Three	Four	AVB	
12	Wintrobe's tube	Thirty	Fifty	Seventy-five	One hundred	AVB	
13	Pasteur's pipette	Thirty	Fifty	Seventy-five	One hundred	AVB	
14	Centrifuge Graduated Machine	One	Two	Three	Four	AVB	
15	Westergren's pipette	Thirty	Fifty	Seventy-five	One hundred	AVB	
16	Westergren's stand or Wintrobe stand	Thirty	Fifty	Seventy-five	One hundred	AVB	
17	Urinometer	Thirty	Fifty	Seventy-five	One hundred	AVB	
18	Autoclave	One	One	One	One	AVB	
19	Cell counter (haemo-auto analyzer)	One	One	One	One	AVB	
20	Blood pressure Apparatus	Five	Ten	Fifteen	Twenty	AVB	
21	Stethoscope	Five	Ten	Fifteen	Twenty	AVB	
22	Thermometer	Ten	Twenty	Thirty	Forty	AVB	
23	Thermal Scanner	One	Two	Three	Four	AVB	
24	Tongue depressor	Five	Ten	Fifteen	Twenty	AVB	
25	Stop watch	Thirty	Fifty	Seventy-five	One hundred	AVB	
26	Physical Balance	One	One	Two	Two	AVB	
27	Electronic balance	One	One	Two	Two	AVB	
28	Hot air oven	One	One	Two	Two	AVB	

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29	Bunsen Burner	Thirty	Fifty	Seventy-five	One hundred	AVB	
30	Refrigerator	One	One	One	One	AVB	
31	Sterile vessels or bottle to collect samples	As required				AVB	
32	Torch	As required				AVB	
33	Measuring Tape	As required				AVB	
34	Weighing machine	One	AVB	One	One	AVB	
35	Tuning Forks	Assorted				AVB	
36	Nasal speculum	As required				AVB	
37	Laryngoscope	As required				AVB	
38	Catheters	As required				AVB	
39	Probes	Assorted				AVB	
40	Kit (HBs Ag kit, HIV kit, CT-BT kit, Renal profile kit, Lipid profile kit, Blood sugar kit etc.,)	Assorted				AVB	
41	Sterile disposable lancet or needle	Assorted				AVB	
42	Glass rod	Assorted				AVB	
43	Syringe needle destroyer	As required				AVB	
44	Cover slip	As required				AVB	
45	Cleaned slides	As required				AVB	
46	Litmus paper	As required				AVB	
47	pH indicator paper strips	As required				AVB	
48	Test-tube, Test-tube holder, Test tube rack	Assorted				AVB	
49	Funnel	As required				AVB	
50	Conical flask	Assorted				AVB	
51	Glass Jars with lid of different sizes	Assorted				AVB	
52	Capillary Tubes	Assorted				AVB	
53	Magnifying lens	As required				AVB	
54	Rubber teat	Assorted				AVB	
55	Multi sticks	Assorted				AVB	
56	Colorimeter	Two	AVB	Six	Eight	AVB	
57	pH meter	Two	AVB	Six	Eight	AVB	
58	Water bath	One	AVB	Three	Four	AVB	
59	Albuminometer	Ten	AVB	Thirty	Forty	AVB	
60	Drawing Rack	Two	Three	Four	Five	AVB	
61	Micro pipette	Assorted				AVB	
62	Lancet	Assorted				AVB	
63	Forceps	Assorted				AVB	
64	Petri dish	Assorted				AVB	
65	Transparent Urine container	Assorted				AVB	
66	Graduated Cylinder	Assorted				AVB	
67	Tourniquet	As required				AVB	
68	Revolving Stool for students	As required				AVB	
B. Museum cum Tutorial Room							
1	Pathological specimens	Models or films or photographs or visuals or charts or Specimen displaying pathological conditions					
2	Typical X-Ray or Computed Tomography or Magnetic Resonance Imaging						
3	Diagnostic devices or instrument or equipment etc.,						
<p>Note: 1. The listed items in the table are the minimum essential standard requirements. The department shall maintain facilities including equipment, instruments, chemicals/reagents etc., according to student intake capacity for the smooth conduct of practicals listed in the syllabus and for demonstrative teaching.</p> <p>2. Safety measures shall be ensured against microbial contaminations.</p>							

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SCHEDULE-XIII

MINIMUM ESSENTIAL STANDARDS: REQUIREMENTS OF EQUIPMENT AND INSTRUMENTS ETC., FOR NUTRITION LABORATORY, TAHAFFUZI WA SAMAJI TIB PRACTICAL LABORATORY AND MUSEUM CUM TUTORIAL ROOM AND

TIBBUL QANOON WA ILMUL SAMOOM (FORENSIC MEDICINE AND CLINICAL TOXICOLOGY) PRACTICAL LABORATORY AND MUSEUM CUM TUTORIAL ROOM UNDER THE DEPARTMENT OF TAHAFFUZI WA SAMAJI TIB (PREVENTIVE AND SOCIAL MEDICINE)

Ser ial No	Equipment and Instruments	sixty stud ents intak e capa city	One hundred stud ents intak e capa city	One hundred Fifty stud ents intak e capa city	Two hundred students intake capacity	A v all a bl e	Defici ency
(1)	(2)	(3)	(4)	(5)	(6)		
A. Tahaffuzi Wa Samaji Tib (Preventive and Social Medicine)							
I. Nutrition Laboratory #							
1	Digital weighing Scale	One	One	One	One	AVB	
2	Kjeldahl system (Digestion unit + distillation unit)	One	One	One	One	AVB	
3	Digital Muffle Furnaces	One	One	One	One	AVB	
4	Soxhlet Fat Extraction System	One	One	One	One	AVB	
5	Abbe's Digital Refractometer	One	One	One	One	AVB	
6	Flame Photometer	One	One	One	One	AVB	
7	Hot Air oven	One	One	One	One	AVB	
8	Refrigerator	One	One	One	One		
9	Water bath	Two	Two	Four	Four	AVB	
10	Grinder	Two	Two	Four	Four	AVB	
11	Magnetic stirrer	Two	Two	Four	Four	AVB	
12	Hot Plate	Two	Two	Four	Four	AVB	
13	Digital pH meter	Two	Two	Four	Four	AVB	
14	Vacuum filter system	One	One	One	One	AVB	
15	Sonicator	One	One	One	One	AVB	
16	Fume hood	One	One	One	One	AVB	
17	Desiccator	One	One	One	One	AVB	
18	Vortex mixer	One	One	One	One	AVB	
19	Viscometer	One	One	One	One	AVB	
20	Refrigerated centrifuge	One	One	One	One	AVB	
21	Digital Polarimeter	One	One	One	One	AVB	
22	Burette	Twenty	Thirty	Forty	Fifty	AVB	
23	Glass pipette	Twenty	Thirty	Forty	Fifty	AVB	
24	Micropipette (Different Capacities)	Five each	Five each	Five each	Five each	AVB	
25	Heating mantle (Different Capacities)	Five each	Five each	Five each	Five each	AVB	
26	TDS meter	Two	Four	Six	Eight	AVB	
27	Lactometer	Two	Four	Six	Eight	AVB	
28	Body Fat Analyser	One	One	One	One	AVB	
29	Anthropometric measuring tool (set)	One	One	One	One	AVB	

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Note: 1. The listed items in the table are minimum essential standard requirements. However, the department shall maintain and provide facilities including equipment, instruments, etc. according to student intake capacity for the smooth conduct of practical's listed in the syllabus and for demonstrative teaching for conducting practical and for demonstrative teaching.

2. For conducting practical on culinary medicines as per concept of Unani Tib "Ghiza Dawai" if any, the facilities of either Ilmul Advia or Ilmul Saidia Practical Lab may be used, or department may establish such facilities in the department itself.

II. Tahaffuzi Wa Samaji Tib Practical laboratory

		Six	Ten	Fifteen	Twenty	AVB
1	Horrock's Apparatus	Six	Ten	Fifteen	Twenty	AVB
2	TDS meter	Six	Ten	Fifteen	Twenty	AVB
3	Turbidity meter	One	Two	Three	Four	AVB
4	Psychomotor	Six	Ten	Fifteen	Twenty	AVB
5	Air quality monitoring device	Six	Ten	Fifteen	Twenty	AVB
6	Male Condom	Six	Ten	Fifteen	Twenty	AVB
7	Female Condom	Six	Ten	Fifteen	Twenty	AVB
8	Cervical Cap	Six	Ten	Fifteen	Twenty	AVB
9	Sponge	Six	Ten	Fifteen	Twenty	AVB
10	Cervical rings	Six	Ten	Fifteen	Twenty	AVB
11	Oral Contraceptive pill	Six	Ten	Fifteen	Twenty	AVB
12	Progesterone only pill	Six	Ten	Fifteen	Twenty	AVB
13	Depot Medroxy Progesterone Acetate (DMPA)	Six	Ten	Fifteen	Twenty	AVB
14	NET EN	Six	Ten	Fifteen	Twenty	AVB
15	Gossypol	Six	Ten	Fifteen	Twenty	AVB
16	Yasmine Pills	Six	Ten	Fifteen	Twenty	AVB

17	Lippies Loop	Six	Ten	Fifteen	Twenty	AVB
18	Copper T	Six	Ten	Fifteen	Twenty	AVB
19	Multiload	Six	Ten	Fifteen	Twenty	AVB
20	Dichloro-Diphenyl-Trichloroethane (DDT)	Assorted	Assorted	Assorted	Assorted	AVB
21	Malathion	Assorted	Assorted	Assorted	Assorted	AVB
22	Pyrethrum	Assorted	Assorted	Assorted	Assorted	AVB
23	Various specimen of Vaccines	Assorted	Assorted	Assorted	Assorted	AVB
24	Various specimen of Pearls or Millet or Cereals	Assorted	Assorted	Assorted	Assorted	AVB
25	Digital glucometer	Six	Ten	Fifteen	Twenty	AVB
26	Chloroscope	Six	Ten	Fifteen	Twenty	AVB
27	Autoclave (Single Drum)	Two	Three	Five	Ten	AVB
28	Sound level meter	Six	Ten	Fifteen	Twenty	AVB
29	Digital Weighting Machine	Six	Ten	Fifteen	Twenty	AVB
30	Height scale	Six	Ten	Fifteen	Twenty	AVB
31	Shakir's tape	Six	Ten	Fifteen	Twenty	AVB
32	Harependen's Skinfold	Six	Ten	Fifteen	Twenty	AVB
33	Measuring tape (five feet)	Six	Ten	Fifteen	Twenty	AVB

III. Museum cum tutorial room

1	Information on Asbab Sitta Zarooriya	AVB
2	Information on public health according to concepts of Unani medicine	AVB
3	Information on Ghiza Dawai	AVB
4	Information on Unani preventive medicines	AVB
5	Information on Riyazat, Dalk etc.	AVB
6	Information on Unani Rejuvenators	AVB
7	Information on Unani diet regimen as per Mizaj and Akhlat	AVB
8	Information on Nutritious and balanced diet	AVB
9	Information on Nuzj o Tanqiya (Bio-cleansing and detoxification measures) in Unani System of Medicine	AVB

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10	Information on National Health Programmes	AVB	
11	Information on vector borne diseases	AVB	
12	Information on communicable diseases	AVB	
13	Information on non-communicable diseases	AVB	
14	Information on medicinal plants, uses and importance in preventive and promotive healthcare perspective	AVB	
15	Specimens- Unani preventive medicines	AVB	
16	Specimens under different tastes and its influences over the body	AVB	
17	Specimens- Medicines nourishing body constituents	AVB	
18	Specimens- Fumigation drugs Unani	AVB	
19	Specimens of Ajza e Ghizai (foods) influencing akhlat e Arba	AVB	
20	Specimens- Unani Rejuvenators	AVB	
21	Specimens- Aqsam e Ghiza	AVB	
22	Models on Tahaffuzi wa Samaji Tib (community medicine)	AVB	
23	Charts on Tahaffuzi wa Samaji Tib	AVB	
24	Specimen of different types of Mosquitoes	AVB	

25	Models/charts/specimen of Mosquitoes' Life cycle						
B. Tibbul Qanoon wa Ilmul Samoom (Forensic Medicine and Clinical Toxicology)							
I. Tibbul Qanoon wa Ilmul Samoom (Forensic Medicine and Clinical Toxicology) Practical							
	Laboratory						
1	Test tubes	As required				AVB	
2	Test tube stands and holders	As required				AVB	
3	Glass Jar 200ml	As required				AVB	
4	Silver Stainless steel spoon	As required				AVB	
5	Glass Plate (Small)	Assorted				AVB	
6	Spirit lamp	Ten	Fifteen	Twenty	Twenty- five	AVB	
7	Glass bowl	As required				AVB	
8	Plastic Spotter Container	Fifty	Fifty	Hundred	Hundred	AVB	
9	Stomach Wash Tube	Two	Two	Four	Four	AVB	
10	Ryle's tube	Two	Two	Four	Four	AVB	
11	Glass Beaker 200ml	Five	Five	Ten	Ten	AVB	
12	Specimen Jar (Medium)	Five	Five	Ten	Ten	AVB	
13	X-ray view box	One	One	Two	Two	AVB	
14	Monocular Microscope with oil emersion lens Compound microscope	Five	Eight	Twelve	Sixteen	AVB	
15	Dropper	As required				AVB	
16	Physical balance	One	One	One	One	AVB	
17	Digital weighing scale	One	One	One	One	AVB	
18	Refrigerator	One	One	One	One	AVB	
19	Spatula	Assorted				AVB	
20	Enamel Trays	Assorted				AVB	
21	Almirahs and Racks for Storage	Assorted				AVB	
22	Artery Forceps (Big)	Four	Four	Four	Four	AVB	
23	Conical Flask	As required				AVB	
24	Magnet Pieces	As required				AVB	
25	Glass rod	As required					
Note: The listed items in the table are minimum essential standard requirements. The department shall maintain and provide facilities including equipment, instruments, chemicals or reagents etc., according to student intake capacity for the smooth conduct of practicals listed in the syllabus and for demonstrative teaching.							
II. Museum cum Tutorial Room							AVB
1	Skeleton Model	Male-one, Female-one				AVB	

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2	Weapons (Pistol, Revolver, Rifle, Short gun, Hammer, Iron rod, Chopper Knife, Sickle, Spear, Sword, Razor and Axe etc.)	Specimens and Models (Poisonous substances or harmful weapons should be preserved safely in locked display shelf cabinet)	AVB	
3	Injury types (Models or Photos)			
4	Asphyxial death-models set or manikins			
5	Toxic substances (Specimens: Plants, Metals, Minerals, Animals and its derivatives)			
6	Poisonous snakes' model			
7	Human organs-specimens (Lung, Heart, Kidney, Liver, Uterus etc.)			
8	Magnifying lens to visualize fingerprints			
9	Inkpad for fingerprints	Assorted	AVB	
10	X-Ray view box	One	AVB	
11	Specimen of Unani and Modern Tiryāq	Assorted	AVB	

SCHEDULE-XIV

MINIMUM ESSENTIAL STANDARDS: REQUIREMENTS OF MANIKINS OR SIMULATORS OR SPECIAL DEVICES FOR CLINICAL SKILL LABORATORY IN THE COLLEGE

Sl. No (1)	Name of the Manikins or Simulator (2)	60 students intake capacity (3)	100 students intake capacity (4)	150 students intake capacity (5)	200 students intake capacity (6)	Available	Deficiency
A. Moalajat (Medicine) Section							
1	Chest auscultation trainer	One	One	Two	Two	AVB	
2	Abdominal examination trainer	One	One	Two	Two	AVB	
3	Injections and IV trainer	Two	Four	Six	Eight	AVB	
4	IV infusion and calculation of drip rate	One	Two	Three	Four	AVB	
5	CPR Training	Two	Three	Four	Five	AVB	
6	Oxygen therapy	One	One	Two	Two	AVB	
7	Aerosol therapy or nebulization	One	One	Two	Two	AVB	
B. Ilaj Bit Tadbeer (Regimenal Therapy) Section						AVB	
1	Full body manikins-Multipurpose	One	One	Two	Two	AVB	
2	Enema trainer	Two	Two	Three	Four	AVB	
C. Jarahat (Surgery) & Ain Uzn Anaf Halaq wa Asnan (Ophthalmology, Ear, Nose, Throat and Dentistry) Section						AVB	
1	Ryle's tube insertion	One	One	Two	Two	AVB	
2	Early management of trauma and trauma life support	One	One	One	One	AVB	
3	Pleural and Ascitic fluid aspiration	One	One	Two	Two	AVB	
4	Urinary catheterization – Male	One	Two	Three	Four	AVB	
5	Urinary catheterization – Female	One	Two	Three	Four	AVB	
6	Basic Incision and Suture Trainer	Two	Three	Four	Five	AVB	
7	Basic Wound Care	One	One	Two	Two	AVB	
8	Basic Bandaging	One	One	Two	Two	AVB	
9	Incision and Drainage trainer	Two	Three	Four	Five	AVB	
10	Basic fracture and dislocation management trainer	One	One	Two	Two	AVB	
11	Prostate examination trainer	One	One	Two	Two	AVB	
12	Per-rectal examination trainer	One	One	Two	Two	AVB	
13	Special devices					AVB	

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	a. Ophthalmoscope	One	Two	Three	Four	AVB	
	b. Fundoscope	One	Two	Three	Four	AVB	
	c. Dermo scope	One	Two	Three	Four	AVB	
	d. ENT examination set	One	Two	Three	Four	AVB	
D. Qabalat wa Niswan (Obstetrics and Gynaecology) Section							
1	Per speculum and per vaginal examination trainer	One	One	Two	Two	AVB	
2	Visual inspection of cervix	One	One	Two	Two	AVB	
3	Intra uterine contraceptive device insertion & removal trainer	One	One	Two	Two	AVB	
4	Obstetric examination trainer	One	One	Two	Two	AVB	
5	Episiotomy trainer	Two	Three	Four	Five	AVB	
6	Normal labour	One	One	One	One	AVB	
7	Intra uterine insemination (IUI) trainer	One	One	Two	Two	AVB	
8	Examination of breast lump	One	Two	Three	Four	AVB	
E. Ilmul Atfal (Paediatrics) Section							
1	Paediatric IV infusion and calculating drip rate	One	One	Two	Three	AVB	
2	Neonatal resuscitation	One	One	Two	Three	AVB	
F. Mahiyatul Amaraz (Pathology) Section							
1	Nursing trainer for decubitus	One	One	Two	Two	AVB	
2	Blood sampling	One	One	Two	Two	AVB	
G. Tibbul Qanoon wa Ilmul Samoom (Forensic Medicine and Clinical Toxicology) under the department of Tahaffuzi wa Samaji Tib (Preventive and Social Medicine) Section							
1	Documentation and certification of trauma	Two	Three	Four	Five	AVB	
2	Diagnosis and certification of death	Two	Three	Four	Five	AVB	
3	Legal documentation related to emergency cases	Two	Three	Four	Five	AVB	
4	Certification of medico-legal cases	Two	Three	Four	Five	AVB	
5	Establishing communication in medico-legal cases with police, public health authorities, and other concerned departments	Two	Three	Four	Five	AVB	
Note: The listed items in the table are the minimum essential standard requirements. However, as per the requirement, the college may increase number of manikins / simulators for providing clinical skill to the students.							

SCHEDULE-XV

MINIMUM ESSENTIAL STANDARDS: REQUIREMENTS OF EQUIPMENT AND INSTRUMENTS. FOR GHURFATUL WILADA (LABOUR ROOM AND # MATERNITY OT) UNDER THE DEPARTMENT OF QABALAT WA NISWAN (OBSTETRICS AND GYNAECOLOGY) IN THE ATTACHED TEACHING HOSPITAL

Serial No. (1)	Equipment and Instruments (2)	Minimum Required Quantity (3)	Available	Deficiency
1	Operation Theatre Light single dome, Mobile or ceiling	One	AVB	
2	Suction Machine (Neonatal)	One	AVB	
3	Oxygen Cylinder and Mask	One	AVB	
4	Foetal Toco Cardiograph	One	AVB	
5	Radiant Warmer	One	AVB	
6	Photo therapy Unit	One	AVB	
7	Weighing Machine (Paediatric)	One	AVB	
8	Patient trolley	Two	AVB	
9	Anaesthesia trolley	One	AVB	
10	Infantometer	One	AVB	
11	Vacuum extractor	One	AVB	

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12	Foetal Doppler			
13	Low cavity forceps	One	AVB	
14	Steriliser	Two	AVB	
15	Mackintosh rubber sheet	Two	AVB	
		Assorted	AVB	
16	Instruments for Labour and Episiotomy. (Scissors, forceps, needle holders etc.)	Assorted	AVB	
17	Baby tray	Two	AVB	
18	Nebuliser	One	AVB	
19	Foetoscope	Five	AVB	
20	Double Drum Auto Clave	One	AVB	
21	Drums	Assorted	AVB	
22	Instrumental Trolley	Assorted	AVB	
23	Operation Theatre tables and head Up and head Low facility	One	AVB	
24	Pulse Oximeter	One	AVB	
25	Resuscitation kit	One	AVB	
26	Boyle's Apparatus	One	AVB	
27	Electrocautery	One	AVB	
28	Medical Termination of Pregnancy (MTP) Suction Machine	One	AVB	
29	Anaesthesia Kit	One	AVB	
30	Blunt and Sharp Curettes	Ten	AVB	
31	Dilators set (Hegar's, Hawkins)	Five	AVB	
32	Sims's Speculum	Five	AVB	
33	Cusco's Speculum	Five	AVB	
34	Anterior Vaginal Wall retractor	Five	AVB	
35	Uterine sound	Five	AVB	
36	Volcellum	Five	AVB	
37	Medical Termination of Pregnancy Suction Curate	Five	AVB	
38	Retractors abdominal (Doyle's etc.)	Five	AVB	
39	Sponge holding forceps	Five	AVB	
40	Green Armitage forceps	Five	AVB	
41	Uterus holding forceps	Five	AVB	
42	Kocher's forceps	Six	AVB	
43	Artery forceps (Long, short, Mosquito) Each	Assorted	AVB	
44	Scissors- different sizes	Assorted	AVB	
45	Forceps obstetrics	Five	AVB	
46	Endotracheal tubes	Five	AVB	
47	Cord Cutting appliances	Five	AVB	
48	Intra-Uterine Contraceptive Device removing hook	Five	AVB	
49	Bladder Sound	Five	AVB	
50	B.P. apparatus	Two	AVB	
51	Human Immunodeficiency Virus kit for emergency patients	Assorted	AVB	
52	Plain and Hole towels	Assorted	AVB	
53	Towel Clips	Assorted	AVB	
54	Suturing Material (Different Numbers)	Assorted	AVB	
55	Needles	Assorted	AVB	
56	Needles Holders	Assorted	AVB	
57	Wheelchair	One	AVB	
58	Formalin Chamber	One	AVB	
59	Fogging Machine	One	AVB	
60	Allis Forceps (9", 12")	Four each	AVB	
61	Dressing Drum	Three	AVB	
Note: 1. The listed items in the table are minimum essential standard requirements. The department shall maintain and provide facilities including equipment, instruments, chemicals, medicines etc., for conducting labour, and for providing clinical training. 2. Aseptic procedures/practices shall be followed in Labour room				AVB

SCHEDULE-XVI

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MINIMUM ESSENTIAL STANDARDS: REQUIREMENTS OF EQUIPMENT AND INSTRUMENTS FOR MASRAH AMALIYA (OPERATION THEATRE WITH ATTACHED MINOR

OPERATION THEATRE UNDER THE DEPARTMENT OF JARAHAT (SURGERY) IN THE ATTACHED TEACHING HOSPITAL

Serial No. (1)	Equipment and Instruments (2)	Required Quantity (3)	Available	Deficiency
1	Operation Theatre light Double Dome (Shadow less ceiling fitted)	One	AVB	
2	Examination Light and Single Dome Mobile Operation Theatre light	One each	AVB	
3	Needle holding Forceps (big- medium-small)	four each	AVB	
4	Dressing drums of Assorted size	two each	AVB	
5	Drum stand	two each	AVB	
6	Intravenous infusion Stand	two	AVB	
7	Cheaties Forceps	Four	AVB	
8	Mosquito Forceps	Twenty	AVB	
9	Scissors straight (Tailor)	Four	AVB	
10	Scissors curved of different sizes	Five each	AVB	
11	Stitch removal scissors	Five each	AVB	
12	Tissue Dissecting forceps (Tooth and Non-Tooth)	Four each	AVB	
13	Sinus Forceps	Four	AVB	
14	Probes - Assorted size	Five each	AVB	
15	Pointed scissors	Four	AVB	
16	Abdominal Self Retaining Retractors	Five	AVB	
17	Laparoscope with instruments	One set	AVB	
18	Bob Kock's Forceps	Five	AVB	
19	Kocher's Forceps	Five	AVB	
20	Metallic Urethral Dilators (clutton and lister Bougie)	two each	AVB	
21	Sponge holding forceps	Four	AVB	
22	Right Angle cholecystectomy Forceps (Assorted)	Two each	AVB	
23	Stone holding forceps (Urethral and common bile duct stone holding forceps)	Two each	AVB	
24	Allis Forceps (6", 9", 12")	Six each	AVB	
25	Electro cautery (400 watt)	One	AVB	
26	Antery Forceps Curved (6", 9", 12")	Six each	AVB	
27	Antery Forceps Straight (6", 9", 12")	Six each	AVB	
28	Formalin Chamber (Small and Large)	Two each	AVB	
29	Sigmoidoscope Rigid or flexible (Fiber-optic)	One	AVB	
30	Barron's Banding Set	Two	AVB	
31	Laryngoscope Pediatric and Adult	One each	AVB	
32	Boyles Apparatus or Anesthesia workstation	One	AVB	
33	Multi-parameter Monitor (7 parameters)	One	AVB	
34	Ambu Bag (Silicon)	Two	AVB	
35	Suction machine (Electrical or Manual)	One	AVB	

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36	Skin grafting knife with handle	Assorted	AVB	
37	Surgical blades of different size	Assorted	AVB	
38	Retractor (Single Hook, Czerney's, Langenbeck, Devers, Eyelid)	Two each	AVB	
39	Bone cutter	Two	AVB	
40	Gigli Saw	Two	AVB	
41	Scoop (Bone and Muscle)	One each	AVB	
42	Periosteum elevator	Two	AVB	
43	Maggles Forceps	Assorted	AVB	
44	Double Drum Horizontal Autoclave fitted with large Drum	One	AVB	
45	Nitrous Oxide Cylinder	Two	AVB	
46	Operation Table or Hydraulic Operation Table or Motorized Operation Table	Two	AVB	
47	Instrument Trolley	Two	AVB	
48	Proctoscope with or without illumination or Digital Proctoscope	Two	AVB	
49	Rib Shear	One	AVB	
50	Stretcher with trolley	Two	AVB	
51	Myo's trolley	One	AVB	
52	Emergency power back up facility (online UPS)	As required	AVB	
53	Emergency light	Four	AVB	
54	Bone Nebular	One	AVB	
55	BP Apparatus with stand	Two	AVB	
56	Fogging Machine	One	AVB	
57	Refrigerator	One	AVB	
58	X-ray View Box (double)	Two	AVB	
59	Surgeon Hydraulic Stool	Two	AVB	
60	Fistula Curette and fistula Director	One each	AVB	
61	Rubber catheters of Assorted size	As required	AVB	
62	Corrugated rubber drain	Assorted	AVB	
63	Suturing Needle (straight or curved) of Assorted size	Assorted	AVB	
64	Surgical Thread	Assorted	AVB	
65	Wheelchair	Assorted	AVB	
66	Needle holder (4", 6", 9")	Two each	AVB	
67	Weighing machine	One	AVB	
68	Electric sterilizers	Two	AVB	
69	BP Handle of different size	Two each	AVB	
70	Nebulizer	Two	AVB	
71	SS containers (Dressing Drum) Assorted Size	As required	AVB	
72	Surgical blades	Assorted	AVB	
73	Kidney trays	Assorted	AVB	
74	Anesthesia trolley	One	AVB	
75	Instrument Cabinet	Two		
<p>Note: 1. The listed items in the table are minimum essential standard requirements. However, the department shall maintain and provide facilities including equipment, instruments, chemicals, medicines etc., for conducting surgical procedures, and for providing clinical teaching and training as per syllabus. 2. Jarrahat procedure room (Minor Operation Theatre) for providing Unani surgical and para-surgical treatments and procedures.</p>				

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SCHEDULE-XVII

MINIMUM ESSENTIAL STANDARDS: REQUIREMENTS OF EQUIPMENT AND INSTRUMENTS UNDER THE DEPARTMENT OF AIN UZN ANAF HALAQ WA ASNAN (OPHTHALMOLOGY, EAR, NOSE, THROAT AND DENTISTRY) FOR MASRAH AMALIYA (OPERATION THEATRE) IN THE ATTACHED TEACHING HOSPITAL

Serial No. (1)	Equipment and Instruments (2)	Required Quantity (3)	Available	Deficiency
I. Ain (Eye): Ophthalmic Equipment or Instruments for Operative Surgery			AVB	
1	Ophthalmic Operation Table with head rest (hydraulic)	One	AVB	
2	Sterilizing box or case with matts	Assorted	AVB	
3	Lens insertion Forceps	Assorted	AVB	
4	Keratome	Assorted	AVB	
5	Desmarres lid retractors	Assorted	AVB	
6	Cat-paw lacrimal retractor	Assorted	AVB	
7	Mueller lacrimal sac retractor	Assorted	AVB	
8	Dastoor iris retractor	Assorted	AVB	
9	Meyrhofer Chalazion currete	Assorted	AVB	
10	Sinsky lens manipulating hook	Assorted	AVB	
11	Intraocular Lens Manipulator	Assorted	AVB	
12	Foreign body spud	Assorted	AVB	
13	Lewis lens loop (vectis)	Assorted	AVB	
14	Cystotome and spoon	Assorted	AVB	
15	Mule Evisceration spoon	Assorted	AVB	
16	Iris repository (double-ended)	Assorted	AVB	
17	Jameson muscle hook	Assorted	AVB	
18	Wills cautery with copper ball-point	Assorted	AVB	
19	Langs lacrimal sac dissector	Assorted	AVB	
20	Kelly Glaucoma punch	Assorted	AVB	
21	Elevator (double ended)	Assorted	AVB	
22	Nasal speculum adult or child	Assorted	AVB	
23	Wilder punctum Dilator	Assorted	AVB	
24	Bowman lacrimal probes	Assorted	AVB	
25	Hartman mosquito forceps	Assorted	AVB	
26	Colibri forceps 1*2 teeth	Assorted	AVB	
27	Mcpherson corneal forceps with tying platform	Assorted	AVB	
28	Dressing forceps, serrated	Assorted	AVB	
29	Moorfield conjunctival forceps	Assorted	AVB	
30	Fixation forceps	Assorted	AVB	

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31	Beer cilia (epilation) forceps	Assorted	AVB	
32	Arruga capsular forceps	Assorted	AVB	
33	Snellen Entropion clamp	Assorted	AVB	
34	Chalazion clamps	Assorted	AVB	
35	Vannas straight scissors	Assorted	AVB	
36	Barraquer needle holder	Assorted	AVB	
37	Air injection cannula	Assorted	AVB	
38	Healon aspirating cannula	Assorted	AVB	
39	AC washout cannula	Assorted	AVB	
40	Lacrimon cannula	Assorted	AVB	
41	Hydrodialysis cannula	Assorted	AVB	
42	J-loop cannula (Right or Left With silicon tubing)	Assorted	AVB	
43	Simcock direct Irrigating and Aspiration cannula with silicon tubing	Assorted	AVB	
44	Irrigating aspirating handle	Assorted	AVB	
45	Lens dialer	Assorted	AVB	
46	Superior Rectus forceps	Assorted	AVB	
47	Eye wash glasses	Assorted	AVB	
48	Swimming Goggles	Assorted	AVB	
49	Ophthalmic Chair	One	AVB	

II. ENT-Surgical or Operative Procedural Instruments

1	Aural Syringe	Assorted	AVB	
2	Jobson's Aural Probe	Assorted	AVB	
3	Eustachian Catheter	Assorted	AVB	
4	Mastoid Retractor	Two	AVB	
5	Mastoid Gouge	Assorted	AVB	
6	Mallet	Assorted	AVB	
7	Nasal Foreign Body hook	Four	AVB	
8	Nasal packing forceps	Assorted	AVB	
9	Nasal Snare	Assorted	AVB	
10	Bayonet Shaped gouge	Assorted	AVB	
11	Walsham forceps	Assorted	AVB	
12	Laryngeal forceps	Assorted	AVB	
13	Tongue plate with throat suction	Assorted	AVB	
14	Tonsil holding forceps	Assorted	AVB	
15	Tonsillar suction	Assorted	AVB	
16	Adenoid curette with cage	Assorted	AVB	

17	Peritonsillar abscess draining forceps	Assorted	AVB	
18	Fuller's Tracheostomy Tube	Assorted	AVB	
19	Cheatel's Forceps	Assorted	AVB	
20	Nasal endoscope	One	AVB	
21	Ear, Nose and throat Set (Manual and digital)	One each	AVB	
22	Other consumable articles like gloves, syringes, bandages, sutras, etc.	Assorted	AVB	

Note: The listed items in the table are minimum essential standard requirements. However, the department shall maintain and provide facilities including equipment, instruments, chemicals, medicines etc., for conducting surgical procedures, and for providing clinical teaching and training as per syllabus.

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SCHEDULE-XVIII

MINIMUM ESSENTIAL STANDARDS: REQUIREMENTS OF EQUIPMENT AND INSTRUMENTS FOR ILAJ BIT TADABEER PROCEDURE SECTION AND PHYSIOTHERAPY UNIT UNDER THE DEPARTMENT OF ILAJ BIT TADABEER IN THE ATTACHED TEACHING HOSPITAL.

Serial No.	Equipment/Instrument	Student Intake capacity				Available	Deficiency
		Sixty students intake capacity	One hundred students intake capacity	One hundred fifty students intake capacity	Two hundred students intake capacity		
(1)	(2)	(3)	(4)	(5)	(6)		
A. Huqna (Enema), Abzan (Sitz Bath) and Qai (Emesis) Room						AVB	
1	Procedure table (Male+Female)	2 (1+1)	2 (1+1)	4 (2+2)	4 (2+2)	AVB	
2	Footstep stool	2 (1+1)	2 (1+1)	4 (2+2)	4 (2+2)	AVB	
3	Ishal chair for elders	2 (1+1)	2 (1+1)	4 (2+2)	4 (2+2)	AVB	
4	Medicines for Huqna (Enema), Abzan (sitz bath) and Qai (Emesis)	As required				AVB	
5	Medicine trolley	As required				AVB	
6	Enema kit	As required				AVB	
7	Enema stand	As required				AVB	
8	Intravenous fluids	2	AVB	4	4	AVB	
9	Intravenous fluid stand	As required				AVB	
10	Working table	As required				AVB	
11	Vessels and bowls	As required				AVB	
12	Abzan and Qai Tub	2	AVB	2	2	AVB	
13	Blood Pressure apparatus	2	AVB	2	2	AVB	
14	Stethoscope	As required				AVB	
15	Towel	As required				AVB	
16	Waterproof rubber sheet (Macintosh)	Assorted				AVB	
17	Waste bin	As required				AVB	
18	Cupboard	As required				AVB	
B. Nushooq, Suoot and Shumoom.						AVB	
19	Procedure table	2 (1+1)	2 (1+1)	4 (2+2)	4 (2+2)	AVB	
20	Nasal applicator	As required				AVB	
21	Medicines for therapy	As required				AVB	
22	Cupboards	As required				AVB	
23	Vessels and bowls	As required				AVB	
24	Medicine trolley	As required				AVB	
25	Waterproof rubber sheet (Macintosh)	As required				AVB	
26	Waste bin	Assorted				AVB	
C. Hijama Therapy Section						AVB	
27	Hijama bed and chair (Male+Female)	4 (2+2)	6 (3+3)	8 (4+4)	10 (5+5)	AVB	
28	Footstep stool	4 (2+2)	6 (3+3)	8 (4+4)	10 (5+5)	AVB	
29	Hijama Chair	2 (1+1)	4 (2+2)	6 (3+3)	8 (4+4)	AVB	
30	Procedure stool	2 (1+1)	4 (2+2)	6 (3+3)	8 (4+4)	AVB	
31	Medicine trolley	As required				AVB	

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32	Hijama cups (Disposable)	As required				AVB	
33	Cupboard	As required				AVB	
34	Hijama set	4 (2+2)	6 (3+3)	8 (4+4)	10 (5+5)	AVB	
35	Lancet or Scalpel	As required				AVB	
36	Vessels and bowls	As required				AVB	
37	Instrument tray	As required				AVB	
38	Kidney tray	As required				AVB	
39	Betadine lotion	As required				AVB	
40	BP apparatus	2	2	2	2	AVB	
41	Stethoscope	2	2	2	2	AVB	
42	Towel	As required				AVB	
43	Waterproof rubber sheet	As required				AVB	
44	Normal saline	As required				AVB	
45	Sterile cotton	As required				AVB	
46	Sterile Gauze swab	As required				AVB	
47	Cotton	As required				AVB	
48	Adhesive tape	As required				AVB	
49	Disposable Personal Protective Equipment Kits or Linen Surgical dress	As required				AVB	
50	Medicines for procedures (Applicable Roghaniyat or Safoof Zaj Abiyaz)	As required				AVB	
51	Surgical Gloves	As required				AVB	
52	Bandage	As required				AVB	
53	Waste bin	Assorted				AVB	
D. Hammam Section							
54	Steam bath chamber (Lying type)	2 (1+1)	4 (2+2)	6 (3+3)	8 (4+4)	AVB	
55	Footstep stool	2	4	6	8	AVB	
56	Steam bath Chamber (Sitting type)	2 (1+1)	4 (2+2)	6 (3+3)	8 (4+4)	AVB	
57	Steam generator or boiler	2 (1+1)	4 (2+2)	6 (3+3)	8 (4+4)	AVB	
58	Medicine trolley	As required				AVB	
59	Working table	As required				AVB	
60	Cupboard	As required				AVB	
61	Gas or Induction stove	As required				AVB	
62	Cooker	As required				AVB	
63	Towel	As required				AVB	
64	Medicines and raw drugs for procedures	As required				AVB	
65	Waste bin	Assorted				AVB	
E. Irsale Alaq (Leech Therapy) and Fasd (Bloodletting) Section							
66	Aquarium for storage of Leeches	2	2	2	2	AVB	
67	Roller Bandage (four inch)	As required				AVB	
68	Lukewarm water	As required				AVB	
69	Gauze Pad	As required				AVB	
70	Blood Pressure apparatus	1	1	1	1	AVB	
71	Stethoscope	1	1	1	1	AVB	
72	Bandage cutting scissor	2	2	2	2	AVB	
73	Kidney tray	As required				AVB	
74	Hole towel	As required				AVB	
75	Chob Zard Powder	As required				AVB	

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76	Sang Jarahat Powder	As required	AVB				
77	Zaj Abiyaz Powder	As required	AVB				
78	Gile Armani Powder	As required	AVB				
79	Micro pore plaster	As required	AVB				
80	Surgical Gloves	As required	AVB				
81	23-gauge needle	As required	AVB				
82	18-gauge needle	As required	AVB				
83	Transparent Jars	As required	AVB				
84	Spirit	As required	AVB				
85	Povidone iodine solution	As required	AVB				
86	Tourniquet	As required	AVB				
87	Surgical Blade or Scalpel or Scarificator	As required	AVB				
88	Sponge holding forceps	As required	AVB				
89	Medicine trolley	As required	AVB				
90	Mackintosh Sheet	As required	AVB				
91	Fasd Table or Irsale Alaq Bed	2 (1+1)	4 (2+2)	6 (3+3)	8 (4+4)	AVB	
92	Waste bin	Assorted					

F. Dalk and Takmeed Bukhari Section

93	Procedure table	2 (1+1)	2 (1+1)	4 (2+2)	4 (2+2)	AVB
94	Footstep stool	2 (1+1)	2 (1+1)	4 (2+2)	4 (2+2)	AVB
95	Procedure stool	2 (1+1)	2 (1+1)	4 (2+2)	4 (2+2)	AVB
96	Steam generator set or Pressure Cooker with pipe	2 (1+1)	2 (1+1)	4 (2+2)	4 (2+2)	AVB
97	Procedure Apron	As required				AVB
98	Cloth to make bundle	As required				AVB
99	Towel	As required				AVB
100	Scissors	As required				AVB
101	Knife	As required				AVB
102	Surgical gloves	As required				AVB
103	Tray	As required				AVB
104	Gas or Induction stove	As required				AVB
105	Medicines and Raw drugs for Dalk or Takmeed Bukhari	As required				AVB
106	Medicine preparation table	As required				AVB

107	Medicine trolley	As required				AVB
108	Cupboards	As required				AVB
109	Waste bin	Assorted				AVB
G. Nutool Section						
110	Procedure Set (Including Table and Stand)	2 (1+1)	2 (1+1)	4 (2+2)	4 (2+2)	AVB
111	Chair	2 (1+1)	2 (1+1)	4 (2+2)	4 (2+2)	AVB
112	Stool	2	4	6	8	AVB
113	Medicine trolley	As required				AVB
114	Cupboard	As required				AVB
115	Enamel Tray	As required				AVB
116	Containers	As required				AVB
117	Towel	As required				AVB
118	Cloth	As required				AVB
119	Scissors	As required				AVB

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120	Required medicines	As required	AVB	
121	Waste bin	Assorted	AVB	
H. # Physiotherapy Unit				
122	Treatment table -wooden plinths	As required	AVB	
123	Treatment table-high-low adjustable	As required	AVB	
124	Mat table	As required	AVB	
125	Treatment room cabinets and chairs	As required	AVB	
126	Large mirror for visual feed back	As required	AVB	
127	Adjustable height exercise steps	As required	AVB	
128	Linens including towels	As required	AVB	
129	Step stools	As required	AVB	
130	Therapist stools on wheels	As required	AVB	
131	Variety of bolsters, wedges, supports	As required	AVB	
132	Mobilization of belt and devices	As required	AVB	
133	Gait belt	As required	AVB	
134	Various assistive devices	As required	AVB	
135	Tapping supplies	As required	AVB	
136	Orthotics and splining materials	As required	AVB	
137	Office equipment	As required	AVB	
138	Devices for test and measurements	As required	AVB	
139	First Aid	As required	AVB	
140	Basic modalities	As required	AVB	
141	Fitness and exercise equipment	As required	AVB	
142	Emergency Kit (Oxygen cylinder with trolley and regulator, Face Mask, Ambu Bag)	One	AVB	
143	Transcutaneous Electrical Nerve Stimulation (TENS)	One	AVB	
144	Interferential Therapy Machine (IFT)	One	AVB	
145	Electrical stimulator	One	AVB	
146	Quadriiceps table	One	AVB	
147	Ankle exerciser	As required	AVB	
148	Finger exerciser	As required	AVB	
149	Ultrasound machine	One	AVB	
150	Infrared lamp	Two	AVB	
151	Shoulder pulley	As required	AVB	
152	Shoulder wheel	As required	AVB	
153	Parallel bar	One	AVB	
154	Staircase trainer	One	AVB	
155	Walking aids	As required	AVB	
156	Activities Daily Living Kit	As required	AVB	
157	Wax bath	One	AVB	
158	Swiss ball	As required	AVB	
159	Thera band	As required	AVB	
160	Peg boards	As required	AVB	
161	Wobble boards	As required	AVB	
162	Dumbbells of different weights	Assorted	AVB	
163	Static cycle	One	AVB	
164	Wheelchair	One	AVB	
165	Weight cuffs of different weights	Assorted	AVB	

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SCHEDULE-XIX

MINIMUM ESSENTIAL STANDARDS: REQUIREMENTS OF EQUIPMENT AND INSTRUMENTS ETC., AMRAZE JILD WA TAZEENIYAT OUT-PATIENT DEPARTMENT WITH ATTACHED PROCEDURE ROOM UNDER THE DEPARTMENT OF AMRAZE JILD WA TAZEENIYAT IN THE ATTACHED TEACHING HOSPITAL

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)		
1	Wood's Lamp	One	One	Two	Two	AVB	
2	Spot Narrow band ultraviolet B (NBUVB) therapy or comb	One	One	Two	Two	AVB	
3	Wart Remover	One	One	Two	Two	AVB	
4	Byfricator (Electrodessicator)	One	One	Two	Two	AVB	
5	Dermatoscope (Digital Microscope)	One	One	Two	Two	AVB	
6	Derma Chair	One	One	Two	Two	AVB	
7	Derma Stool	One	One	Two	Two	AVB	
8	Magnifying Glasses	Two	Two	Four	Four	AVB	
9	Instrument Trolley	One	One	Two	Two	AVB	
10	Autoclave	One	One	Two	Two	AVB	
11	Scalpel Handle	One	One	Two	Two	AVB	
12	BP apparatus	One	One	Two	Two	AVB	
13	Stethoscope	One	One	Two	Two	AVB	
14	Bandage or Cotton or Gauze or Betadine or Sprit	As per requirement					
15	Torch	As per requirement				AVB	
16	Towel	As per requirement				AVB	
17	Waterproof rubber sheet	As per requirement				AVB	
18	Normal Saline	As per requirement				AVB	
Note: The listed items in the table are minimum essential standard requirements. However, the department shall maintain and provide all facilities including equipment, instruments for Amraze Jild Wa Tazeeniyat and for providing clinical teaching and training.							

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SCHEDULE-XX

MINIMUM ESSENTIAL STANDARDS: REQUIREMENTS OF EQUIPMENT AND INSTRUMENTS ETC., FOR YOGA AND RIYAZAT UNDER THE DEPARTMENT OF TAHAFUZI WA SAMAJI TIB IN THE ATTACHED TEACHING HOSPITAL

Serial No. (1)	Equipment and Instruments (2)	Sixty stud ents intak e capa city (3)	One hundr ed stude nts intak e capac ity (4)	One hundred fifty stud ents intak e capa city (5)	Two hundred stud ents intak e capa city (6)	Available	Deficiency
1	Yoga mat	Five	Ten	Fifteen	Twenty	AVB	
2	Yoga folded blanket	Five	Ten	Fifteen	Twenty	AVB	
3	Yoga foam rollers	As required				AVB	
4	Yoga exercise ball	As required				AVB	
5	Yoga wheel	As required				AVB	
6	Yoga wedge	As required				AVB	
7	Yoga wooden block	As required				AVB	
8	Yoga bolster	As required				AVB	
9	Yoga sandbag	As required				AVB	
10	Yoga belt or straps	As required				AVB	
11	Yoga -Resistance band	As required				AVB	
12	Meditation cushion	As required				AVB	
13	Meditation chair or Backless chair	As required				AVB	
14	Yoga anti-gravity wall rope full set	As required				AVB	
15	Yoga head stand bench	One	One	Two	Two	AVB	
Note: The listed items in the table are minimum essential standard requirements. However, the department shall maintain and provide all facilities including equipment, instruments for Yoga and Riyazat and for providing clinical teaching and training.							

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SCHEDULE-XXI

MINIMUM ESSENTIAL STANDARDS: REQUIREMENTS FOR CLINICAL LABORATORY UNDER THE DEPARTMENT OF MAHIYATUL AMRAZ (PATHOLOGY) IN THE TEACHING HOSPITAL

Serial No.	Equipment and Instruments	Available	Deficiency
Haematology or Pathology Section			
1	Fully or semi-automated haematology analyser	AVB	
2	Binocular microscope	AVB	
3	Colorimeter	AVB	
4	Other necessary equipment/instruments	AVB	
Biochemistry Section			
1	Fully or semi-automated biochemistry analyser	AVB	
2	Electrolyte analyser	AVB	
3	Centrifuge	AVB	
4	Hot air oven	AVB	
5	Chemiluminescence or Enzyme-Linked Immunosorbent Assay (ELIZA)	AVB	
6	Glycated Haemoglobin (HbA1C) analyser or Card based	AVB	
7	Other necessary equipment or instruments	AVB	
Microbiology Section			
1	Binocular microscope	AVB	
2	Incubator	AVB	
3	Autoclave (vertical)	AVB	
4	Hot air oven	AVB	
5	Automated blood culture system	AVB	
6	Bio-safety cabinet	AVB	
7	Other necessary equipment and instruments	AVB	
<p>Note: 1. The listed items in the table are minimum essential standard requirements. However, the department shall maintain all facilities including equipment, instruments, medicines etc., for conducting routine haematological, pathological, biochemical and microbiological diagnostic tests.</p> <p>2. The requirement of equipment and instruments mentioned for clinical laboratory in Schedule-XXI is applicable only for the new colleges to be established after notification of this regulation; All existing colleges (before notification) are permitted to continue with the existing facilities in clinical laboratories; however, they are allowed to upgrade the facilities as per their requirements in the future.</p> <p>3. For higher diagnostic tests, the college may have a tie-up with the nearest National Accreditation Board for Testing and Calibration Laboratories -accredited diagnostic laboratory.</p>			

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SCHEDULE-XXII

MINIMUM ESSENTIAL STANDARDS: REQUIREMENTS OF RADIOLOGY SECTION/IMAGING SECTION UNDER THE DEPARTMENT OF MAHIYATUL AMRAZ (PATHOLOGY) IN THE TEACHING HOSPITAL

Serial No. (1)	Equipment or Instrument (2)	Requirements (3)	Available	Deficiency
1	X-Ray unit with machine and accessories	Essential	AVB	
2	Ultrasound scan			
3	Electrocardiogram Machine		AVB	
4	Digital X-ray	Desirable	AVB	
Note: For higher imaging studies such as Computed tomography, Magnetic Resonance Imaging, Positron Emission Tomography, Doppler etc., college may have tie-up with nearest National Accreditation Board for Testing and Calibration Laboratories accredited diagnostic center.				

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SCHEDULE-XXIII

MINIMUM ESSENTIAL STANDARDS: REQUIREMENTS OF EQUIPMENT AND INSTRUMENTS FOR OUT-PATIENT DEPARTMENTS IN THE TEACHING HOSPITAL

Serial No. (1)	Out-Patient Department (2)	Equipment and Instrument (3)	Required Quantity (4)	Available	Deficiency
1	Moalajat (Medicine)	Stethoscope	Four	Available	
		Blood Pressure Apparatus	Two		
		Knee Hammer	Two		
		Torch	One		
		X-Ray viewing box	One		
		Thermometer	Two		
		Thermal Scanner	One		
		Pulse oximeter	One		
		Tongue depressor	Ten		
		Measuring tape	Two		
		Height measuring stand	One		
		Weighing machine	One		
		Examination table	One		
		Tuning forks	Assorted		
		Face Mask	As required		
		Surgical gloves	As required		
2	Ilaj bit Tadabeer (Regimen al Therapy)	Stethoscope	Four	Available	
		Blood Pressure Apparatus	Two	Available	
		Knee Hammer	Two	Available	
		Torch	One	Available	
		X-Ray viewing box	One	Available	
		Thermometer	Two	Available	
		Thermal Scanner	One	Available	
		Pulse oximeter	One	Available	
		Tongue depressor	Ten	Available	
		Measuring tape	Two	Available	
		Height measuring stand	One	Available	
		Weighing machine	One	Available	
		Examination table	One	Available	
		Tuning forks	Assorted	Available	
		Surgical gloves	Assorted	Available	
		Face Mask	As required	Available	
		Instruments and equipment for the therapy section (male and female) attached to Out-Patient Department to perform Ilaj bit Tadabeer Out-Patient Department based procedures	As required	Available	
		Stethoscope	Four	Available	
3	Jarajat (Surgery)	Blood Pressure Apparatus	Two	Available	
		Knee Hammer	Two	Available	
		Torch	One	Available	
		X-Ray viewing box	One	Available	
		Thermometer	Two	Available	
		Thermal Scanner	One	Available	
		Pulse oximeter	One	Available	
		Tongue depressor	Ten	Available	
		Proctoscope (Assorted sizes)	As required	Available	

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		Measuring tape	Two	Available	
		Height measuring stand	One	Available	
		Weighing machine	One	Available	
		Examination table	One	Available	
		Tuning forks	Assorted	Available	
		Surgical gloves	Assorted	Available	
		Chester's forceps	Four	Available	
		Face Mask	As required	Available	
		Instruments and equipment for the minor surgical therapy section (male and female) attached to Out- Patient Department to perform Out- Patient Department based surgical procedures.	Assorted	Available	
4	Amraze Jild wa Tazeeniyat (Dermatology and Cosmetology)	Stethoscope	Four	Available	
		Blood Pressure Apparatus	Two	Available	
		Knee Hammer	Two	Available	
		Torch	One	Available	
		X-Ray viewing box	One	Available	
		Thermometer	Two	Available	
		Thermal Scanner	One	Available	
		Pulse oximeter	One	Available	
		Tongue depressor	Ten	Available	
		Measuring tape	Two	Available	
		Height measuring stand	One	Available	
		Weighing machine	One	Available	
		Examination table	One	Available	
		Surgical gloves	Assorted	Available	
		Face Mask	As required	Available	
		Magnifying Lens	One	Available	
5	Ain Uzn Anaf Halaq wa Asnan (Ophthalmology , Ear, Nose and Throat and Dentistry)	Stethoscope	Four	Available	
		Blood pressure Apparatus	Two	Available	
		Knee Hammer	Two	Available	
		Torch	One	Available	
		X-Ray viewing box	One	Available	
		Thermometer	Two	Available	
		Thermal Scanner	One	Available	
		Pulse oximeter	One	Available	
		Tongue depressor	Ten	Available	
		Autorefractometer (refractometry or optometry)	One	Available	
		Ophthalmoscope or Fundoscope	One	Available	
		Slit eye lamp	One	Available	
		Otoscope	One	Available	
		Audiometry	One	Available	
		Bull's lamp	One	Available	
		Measuring tape	Two	Available	
		Height measuring stand	One	Available	
		Weighing machine	One	Available	
		Examination table	One	Available	
		Tuning fork	Assorted	Available	
		Surgical gloves	Assorted	Available	

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6		Face mask	Assorted	Available	
		Cheattle's forceps	Four	Available	
		Instruments and equipment for the minor surgical therapy section (male and female) attached to Out- Patient Department to perform Out- Patient Department based procedures under Ain Uzn Anaf Halaq wa Asnan	Assorted	Available	
		Stethoscope	Four	Available	
6	Qabalat wa Niswan (Obstetrics and Gynaecology)	Blood pressure Apparatus	Two	Available	
		Knee Hammer	Two	Available	
		Torch	One	Available	
		X-Ray viewing box	One	Available	
		Thermometer	Two	Available	
		Thermal Scanner	One	Available	
		Pulse oximeter	One	Available	
		Tongue depressor	Ten	Available	
		Measuring tape	Two	Available	
		Height measuring stand	One	Available	
		Weighing machine	One	Available	
		Gynaecological Examination table	One	Available	
		Lamp stand	One	Available	
		Surgical gloves	Assorted	Available	
		Sim's speculum	Two	Available	
		Face mask	Assorted	Available	
		Cusco's speculum	Two	Available	
		Stethoscope	Four	Available	
		Paediatric stethoscope	Four	Available	
		Blood pressure Apparatus with different cuff	Two	Available	
7	Ilmul Atfal (Paediatrics)	Blood pressure Apparatus with Paediatric cuff	Four	Available	
		Knee Hammer	Two	Available	
		Torch	One	Available	
		X-Ray viewing box	One	Available	
		Thermometer	Two	Available	
		Thermal Scanner	One	Available	
		Pulse oximeter	One	Available	
		Tongue depressor	Ten	Available	
		Measuring tape	Two	Available	
		Height measuring stand	One	Available	
		Examination table	One	Available	
		Neonatal weighing scale	One	Available	
		Paediatric weighing scale	One	Available	
		Infantometer	One	Available	
		Scale (Baby weighing)	One	Available	
		Face mask	Assorted	Available	
		Surgical gloves	Assorted	Available	
		Stethoscope	Two	Available	
		Blood pressure Apparatus	Two	Available	
		Torch	One	Available	
8	Tahaffuzi wa Samaji Tib (Preventive and Social Medicine)	X-Ray viewing box	One	Available	

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9	Tibbul Qanoon wa Ilmul Samoom (Forensic Medicine and Clinical Toxicology) under the department of Tahaffuzi wa Samaji Tib (Preventive and Social Medicine)	Thermometer	Two	Available	
		Thermal Scanner	One	Available	
		Pulse oximeter	One	Available	
		Tongue depressor	Three	Available	
		Measuring tape	One	Available	
		Height measuring stand	One	Available	
		Weighing machine	One	Available	
		Examination table	One	Available	
		Surgical gloves	As required	Available	
		Body temperament assessment chart	One	Available	
		Body Mass Index machine	One	Available	
		Face mask	Assorted	Available	
		Information, Education and Communication Material	As required	Available	
		TST (Tahaffuzi wa Samaji Tib) Health card	As required	Available	
		Stethoscope	Two	Available	
		Blood pressure Apparatus	Two	Available	
		Torch	One	Available	
		X-Ray viewing box	One	Available	
		Thermometer	Two	Available	
10	Isabat (Casualty)	Thermal Scanner	One	Available	
		Pulse oximeter	One	Available	
		Tongue depressor	Three	Available	
		Measuring tape	One	Available	
		Height measuring stand	One	Available	
		Weighing machine	One	Available	
		Examination table	One	Available	
		Surgical gloves	As required	Available	
		Body temperament assessment chart	One	Available	
		Body Mass Index machine	One	Available	
		Face mask	Assorted	Available	
		Information, Education and Communication Material	As required	Available	
		Equipment, Instrument and Furniture	As required	Available	
		Motorised bed 4 section with mattress	As per requirement (see - regulation 14 sub-(3) clause(xi) (C)	Available	
		Footstep	As per number of beds	Available	
		Intravenous (IV) stand with stainless steel rod and castor base	As per number of beds	Available	
		Wheelchair	As required	Available	
		Patient transfer stretcher trolley	As required	Available	
		Drug trolley	As required	Available	
		Portable X-Ray Machine	One	Available	
		Suturing set	As required	Available	
		Multi para monitor	One	Available	
		Suction Machine	One	Available	
		Suction catheter	As required	Available	

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Principal

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