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Principal of:

BILL	
Date	20/08/2024
QUTATION ID	4555863
NTN	5830355-2

A- Graduate Laboratory.

LIST OF MINIMUM REQUIREMENTS OF EQUIPMENTS IN GRADUATE LABORATORIES OF PHARMACY DEPARTMENT (approximately for 50 students)

- i) Bio-chemistry Laboratory.
- ii) Organic Chemistry Laboratory
- iii) Medicinal Chemistry Laboratory
- iv) Pharmaceutics Laboratory
- v) Dispensing & Compounding Laboratory
- vi) Instrumentation Laboratory
- vii) Pharmacology Laboratory
- viii) Physiology Laboratory
- ix) Pharmaceutical Microbiology Laboratory
- x) Industrial Pharmacy Laboratory
- xi) Pharmacognosy Laboratory

Sr.	1-Bio-chemistry / Organic / Inorganic Laboratory	Qty	PRICE	UNIT	TOTAL
1	Water bath single hole	10			
2	Triple beam balance	5			
3	Microscope	15			
4	Water bath	10			
5	Balance digital balance	2			
6	Melting Point Apparatus	10			
7	Spectrophotometer	2			
8	Pharmaceutics / Dispensing Laboratory				
9	Triple beam balance	5			
10	Water bath	10			
11	Cold & Hot Incubator	1			
12	Pharmacology/ Physiology Laboratory				
13	Haemometer set	8			
14	Tissue organ bath	15			
15	Kymograph	15			
16	Triple beam balance	5			
17	Digital balance	2			
18	Microscope	15			
19	Oven	1			
20	Burner	15			
21	Barometer	5			

22	E.S.R stand	15			
23	Spiro meter plastic body	5			
24	Western Green Tubes	15			
25	Glass Test Tubes	100			
26	Test Tub stands	20			
27	Neubar Chamber 0.0025mm ²	10			
28	RBC Pipette	10			
29	WBC Pipette	15			
30	Snellen's Chart(Eye)	10			
31	Meter rod	10			
32	Sphygmomanometer	15			
33	Stethoscope	15			
34	Sahli's haemometer	10			
35	Wet Spiro meter	5			
36	Perimeter With Object	10			
37	ECG machine	1			
38	Wattmann Filter paper	10 pack			
39	Antiserum A B & D	5			
40	Histology Slides	All			
41	Weight Machine	2			
42	Microbiology Laboratory				
43	Autoclave	2			
44	Cool incubator	1			
45	Hot incubator	1			
46	Laminar air flow Horizontal	1			
47	Laminar air flow Vertical	1			
48	Oven	2			
49	Microscopes Compound	15			
50	Reciprocating Shaker	1			
51	Deep freezer	1			
52	Pharmacognosy Laboratory				
53	Centrifuge machine	2			
54	Microscope	15			
55	Microtome	1			
56	Oven	2			
57	Water bath 4 holes	6			
58	Rota Evaporator + Chiller	3+1			
59	Aspirator	1			
60	Industrial Laboratory				
61	Powder Filling Machine	1			
62	Single Punch Tablet Machine	1			
63	Coating Pressure Tank	1			
64	Sigma Blade Mixer	1			
65	Friability Test Apparatus	1			
66	Dissolution Apparatus	1			
67	Dissolution Apparatus (6) Basket	1			
68	Disintegration Apparatus Single Vessel	1			
69	Disintegration Double vessel	1			
70	Syrup Filling Machine	1			

71	Colloidal Mill	1			
72	Capsule Filling Machine	1			
73	Silverson Mixer	1			
74	Ampoule gasses	1			
75	Oven	1			
76	Ointment Filling Machine	1			
77	Mechanical Stirrer	1			
78	Instrument Room				
79	Rotary Press	1			
80	Wet Granulator	1			
81	Dry Granulator Disintegrator	1			
82	Automatic Ampoule filling machine	1			
83	Tray dryer	1			
84	Digital weight balance	1			
85	Furnace	1			
86	Ball Mill	1			
87	Mechanical Stirrer	1			
88	Filter Press	1			
89	Water Deionizer Plant	1			
90	Disintegration single vessel	1			
91	Tablet coating conventional pans	2			
92	Canvas line pan	1			
93	Single blade mixer	1			
94	Distillation apparatus (Gas)	1			
95	Centrifuge	1			
96	Vernier Caliper	1			
97	Screw capping & Sealing machine	1			
99	UV Spectrophotometer Double Beam	1			
100	IR Spectrophotometer	1			
101	Flame photometer	1			
102	Digital Dissolution Apparatus & Auto sampler	1			
103	Polari meter	1			
104	Digital Incubator	1			
105	Digital Moisture analyzer	1			
106	Digital hardness tester	1			
107	Kenwood Planetary Mixer	1			
108	UV Spectrophotometer Single Beam	1			
109	Magnetic Stirrer+ Hot Plate	1			
110	Digital Weight balance	1			
111	Magnetic stirrer	1			
112	Vortex Mixer	1			
113	pH Meter	1			
114	Centrifuge Machine	1			
115	Stability chamber	1			
116	Oven	1			
117	Deep Freezer	1			
118	Refrigerator	1			
119	Incubator	1			
120	Water Distillation Unit	1			

121	Water deionizer	1			
122	Chemicals				
123	Ammonia			20 L	
124	Ammonium chloride			2 Kg	
125	Acetic acid			25 L	
126	Acetyl salicylic acid			3 Kg	
127	Acetone			15 L	
128	Atropine sulphate			25 gm	
129	Anise oil			1 Lb	
130	Aniline			5 L	
131	Acetanilide			1 Kg	
132	Aluminium chloride			1 Kg	
133	Acetyl chloride			1 L	
134	Acriflavine			1 Pack	
135	Acetamide			1 Kg	
136	4-amino phenol			250 gm	
137	Acetophenone			1 L	
138	Aspartic acid			100 gm	
139	4-amino benzoic acid			250 gm	
140	2-acetyl salicylic acid			1 kg	
141	Amm. Bicarbonate			2 kg	
142	Ammonium molybedate			1 kg	
143	Amaranth			2 kg	
144	Accacia gum			10 Kg	
145	Acid fuchsin ind.			250 ml	
146	Anthrone			50 gm	
147	Arabinose			10 gm	
148	Adipic acid			1Kg	
149	Aluminium hydroxide			1 Kg	
150	Ascorbic acid			1 Kg	
151	Arginine			100 gm	
152	Albumin(bovine)			500 gm	
153	Anthracene			250 gm	
154	Acetyl choline			25 gm	
155	Aspirin power			2 Kg	
156	Alanine			50 Gm	
157	Aluminium sulphate			1 gm	
158	Amyl alcohol			1 L	
159	Amm iron II sulphate			1Kg	
160	Asparagines			25 gm	
161	Almond bitter oil			2 L	
163	Adrenaline voil			25 ml	
164	Alizarine red			25 gm	
165	Amm.sulphate			1 kg	
166	Arachis oil			1 L	
167	Amm oxalate			1 kg	
168	Agarose			10 g	
169	Acrylamide			1 kg	
170	Acetonitril			2.5 L	

171	Aluminium oxide			1 Kg	
172	Adenosine tri phosphate			100 gm	
173	Calcium carbonate			1 kg	
174	Copper sulphate			2 kg	
175	Citric acid			1 kg	
176	Carbon tetra chloride			10 L	
177	Chloroform			10 L	
178	Cupric sulphate			1 Kg	
179	Cupric acetate			1 Kg	
180	Cinamic acid			1 kg	
181	Coumarin			1 kg	
182	Cupric oxide			1 kg	
183	Chloro acetic acid			1 kg	
184	Caffeine			1 Lbs	
185	Calcium lactate			2 Kg	
186	Crystal violet			100 gm	
187	Chloral hydrate			2 Kg	
188	Charcoal animal			1 Kg	
189	Camphor			2 Kg	
190	Calcium chloride			2 Kg	
191	Creatinine			25 gm	
192	Cetomacrogol			1 kg	
193	Coriander oil			1 L	
194	Cod liver oil			1 L	
195	Calamine			2 Kg	
196	Ceric amm sulphate			25 gm	
197	Chloramines			1 L	
198	Cyclo hexane			5 L	
199	Cystine			25 gm	
200	Clove oil			1 Lbs	
201	Carmine			1 Lbs	
202	Cedar Wood Oil			1 L	
203	Cinnamon oil			1 L	
204	Caster oil			5 L	
205	Cardamom oil			1 L	
206	Caraway oil			1 L	
207	Calcium hydroxide			2 Kg	
209	Canada balsam			1 L	
210	Calcium acetate			1 Kg	
211	Cetyl alcohol			2 Kg	
212	Cobalt chloride			500 gm	
213	Cobalt nitrate			500 gm	
214	Congo red			50 gm	
215	Cresol red solution			50 gm	
216	Cellulose			1 kg	
217	Cadmium chloride			250 gm	
218	Chloro benzene			2.5 L	
219	Carbapol			1 Kg	
220	Calcium phosphate			1 kg	

221	Calcium sulphate			1 kg	
222	Calcium stearate			1 kg	
223	Carboxy methyl cellulose			2 kg	
224	Cellulose acetate phthalate			1 kg	
225	Carnauba black wax			1 kg	
226	Calcium oxide			1 kg	
227	Capillary tube			10 Packet	
228	Celite powder			1 kg	
229	Coconut oil			1 kg	
230	Carbal fuchine			500 ml	
231	Di pot.hydrogen phosphate			2 kg	
232	Di methyl aniline			1 L	
233	Di phenylamine			1 kg	
234	Di oxane			2.5 L	
235	Di methyl formamide			2.5 L	
236	Di sod phosphotungstate			250 gm	
237	Di sod tartarate			1 kg	
238	2-6-dichloro phenol indophenol			25 gm	
239	Dextrose powder			1 kg	
240	Di ethylamine			1 L	
241	Di sod di hydrogen phosphate			5 kg	
242	Dextrine			1 kg	
243	Dextrine blue			100 gm	
244	Di methyl sulphoxide			2 L	
245	Di chloro methane			5 L	
246	Di phenyl carbazide			20 gm	
247	Diclofenac sodium			500 gm	
248	Di pot di hydrogen phosphate			2 kg	
249	Ethyl acetate			5 L	
250	Ethanol			20 L	
251	Erichrome black			25 gm	
252	Ethylene diamine tetra acetic acid			1 kg	
253	Ether solvent			5 L	
255	Eosine(stain)			25 gm	
256	Ethylene glycol			1 L	
257	Ethylene diamine			1 L	
258	Ethyl cellulose			1 kg	
259	Eudragit-L-100			1 Kg	
260	Emluesifing wax			1 kg	
261	Glucose			10 kg	
262	Glactose			1 kg	
263	Glycine			500 gm	
264	Glutaric acid			500 gm	
265	Gallic acid			500 gm	
266	Glycerine			10 L	
267	Gum Arabic			1 Kg	
268	Gelatin			1 kg	
269	Glutamic acid			500 gm	
270	Gram's staining			500 gm	

271	Giemsa stain			500 ml	
272	Glutamine			500 ml	
273	Glass wool			2 kg	
274	Glass slide			50 packs	
275	Glass cover slip			50 packs	
276	Hydrogen per oxide			1 L	
277	Hydro chloric acid			10 L	
278	Hydroquinone			1 kg	
279	Hydroxylamine hydro chloride			1 kg	
280	Heavy kaoline			5 kg	
281	Hydroxyl praline			25 gm	
282	Histidine			25 gm	
283	8-hydroxy quinoline			50 gm	
284	Hydroxyl ethylene cellulose			1 kg	
285	Hydroxy propyl methyl cellulose			500 gm	
286	Hydroxyl ethyl cellulose			500 gm	
287	4-hydroxy benzoic acid			100 gm	
288	Iodine			1 kg	
289	Idoform			1 kg	
290	Isatin			2 kg	
291	Kiesulgahr			10 pack	
292	Litmus paper blue			10 pack	
293	Litmusb paper red			25 gm	
294	Litmus blue powder			25 gm	
295	Lemon oil			1 L	
296	Lactose			5 kg	
297	Lead acetate			1 kg	
298	Lenoline			1 kg	
299	Leishman stain			500 ml	
301	Light green			100 gm	
302	Light magnesium carbonate			5 kg	
303	light magnesium oxide			3 kg	
304	Light kaoline			5 kg	
305	Leucine			25 gm	
306	Methyl red			25 gm	
307	Methyl orange			25 gm	
308	Magnesium sulphate			1 kg	
309	Malic acid			1 kg	
310	Malonic acid			500 gm	
311	Maleic acid			1 kg	
312	Methanol			10 L	
313	Maltose			1 kg	
314	Malachite green			25 gm	
315	Mercuric acetate			250 gm	
316	Methyl blue			25 gm	
317	Methyl cellulose(20)			10 kg	
318	Methyl hydroxyl benzoate			1 kg	
319	Mercuric chloride			500 gm	
320	Magnesium chloride			1 kg	

321	Methyl salicylate			5 L	
322	Magnesium tri salicate			1 kg	
323	Methyl acetate			1 L	
324	Macconkey agar			500 gm	
325	Mannitol			500 gm	
326	Methionine			25 gm	
327	Menthol			500 gm	
328	Magnesium stearate powder			2 kg	
329	Mineral oil			3 L	
330	Micro crystalline cellulose			1 kg	
331	Methyl paraben			500 gm	
332	Magnesium carbonate			2 kg	
333	Mustard oil			1 L	
334	Magnesium oxide			500 gm	
335	N-butanol			5 L	
336	n-hexane			5 L	
337	Nitric acid			10L	
338	2-nitro phenol			25 gm	
339	4-nitro phenol			25 gm	
340	1-naphthol			1 kg	
341	2-naphthol			1 kg	
342	1-naphthyle amine			1 kg	
343	Ninhydrin			50 gm	
344	Nutmeg oil			1 L	
345	Nitro benzene			2.5 L	
346	Pot.citrate			500 gm	
347	Petroleum ether			5 L	
348	Pot.bromide			500 gm	
349	Palmitic acid			1 kg	
350	2-propanol			10 L	
351	Poly ethylene glycol(400)			1 L	
352	Poly ethylene glycol(4000)			1 kg	
353	Poly ethylene glycol(8000)			1 kg	
354	Poly ethylene glycol(200)			1 L	
355	Pot.carbonate			2 kg	
356	Pot.ferrocyanide			500 gm	
357	Pot.nitrate			500 gm	
358	Pot.sulphate			500 gm	
359	Poly vinyl alcohol			1 kg	
360	Poly ethylene			1 kg	
361	Poly vinyl chloride			1 kg	
362	Poly vinyl pyrrolidone			1 kg	
363	p.v.p crosslinked			1 kg	
364	Povidon			1 kg	
365	Pot.floride			500 gm	
366	Peppermint			2 L	
367	Paracetamol			1 kg	
368	Propyl paraben			500 gm	
369	Resorcinol			25 gm	

370	Rose oil			1 L	
371	Raspberry.			1L	
372	Sod. Carbonate			5 kg	
373	Sod.hydroxide			5 kg	
374	Sod.bi carbonate			3 kg	
375	Salicylic acid			2 kg	
376	Starch			2 kg	
377	Sod.acetate			1 kg	
378	Sucrose			1 kg	
379	Sod.thio sulphate			1 kg	
380	Sulphanilic acid			500 gm	
381	Sod nitropruside			250 gm	
382	Succinic acid			1 kg	
383	Succinamide			500 gm	
384	Sod.hydrogen sulphate			500 gm	
385	Silica gel			2 kg	
386	Salicyladehyde			500 gm	
387	Sod. Sulphate			2 kg	
388	Sod.benzoate			500 gm	
389	Sod.metal			1 kg	
390	Sod. Nitrite			500 gm	
391	Silver nitrate			25 gm	
392	Sod. Nitrate			500 gm	
393	Saffranine			25 gm	
394	Borax			1 kg	
395	Sulphuric acid			10 L	
396	Sod.citrate			500 gm	
397	Sublimed sulphur			500 gm	
398	Sod.chloride			5 kg	
399	Saccharine			1 kg	
400	Sorbitol			500 ml	
401	Sod. Molybdate			500 gm	
402	Silica gel moisture			1 kg	
403	Sod.acid phosphate			500 gm	
404	Sod. Sulphite			500 gm	
405	Stearic acid			2 kg	
406	Sod.di hydrogen phosphate			1 kg	
407	Sod.lauryl sulphate			5 kg	
408	Sod.salicylate			3 kg	
409	Sun flower oil			1 L	
410	Sod bromide			500 gm	
411	Sulphanilamide			250 gm	
412	Sod tungstate			250 gm	
413	Sod carboxy methyl cellulose			2 kg	
414	Sod floride			500 gm	
415	Tartaric acid			4 kg	
416	Thio urea			2 kg	
417	Toluene			5 L	
418	Thymol			100 gm	

419	Turpentine oil			5 L	
420	Tannic acid			1 kg	
421	Tincture of benzoin			500 ml	
422	Tragacanth			1 kg	
423	Triethylamine			1 L	
424	Tri chloro acetic acid			250 gm	
425	Tryptophan			25 gm	
426	Tyrosine			25 gm	
427	Tri. Sod. Citrate			500 gm	
428	Tincture cardamom			500 ml	
429	Titanium di oxide			500 gm	
430	Talcum			5 kg	
431	Thymol blue			25 gm	
432	Tween-80			1 L	
433	Triethanolamine			1 L	
434	Tin granular			200 gm	
435	Universal ph paper			10 packs	
436	Urea			1 kg	
437	Vaniline			25 gm	
438	Valine			25 gm	
439	Whatman filter paper			5 packs	
440	Wool fat			2 kg	
441	Wool alcohol			2 kg	
442	Xylose			25 gm	
443	Xylene (xylol)			2.5 L	
444	Zinc sulphate			1 kg	
445	Zinc powder			1 kg	
446	Zinc chloride			500 gm	
447	Zinc oxide			500 gm	
448	Zn staining			500 ml	
449	Zein			100 gm	
450	Zinc metal (granulated)			500 gm	
451	Boric acid			1 kg	
452	Benzene			5 L	
453	Bromine			1 L	
454	Benzil			500 gm	
455	Benzamide			500 gm	
456	Biphenyl			1 kg	
457	Benzaldehyde			500 gm	
458	Benzoyl chloride			1 L	
459	Beeswax			1 kg	
460	Benzyl chloride			1 L	
461	Glass ware				
462	3-neck R. B. flask (100 & 250 ml)			30	
463	Air condenser			20	
464	Air steam inlet tube			50	
465	Buchner filter funnel			20	
466	Buchner funnel			10	
467	Burettes Borosilicate glass			15	

468	China crucible			15	
469	China dish			30	
470	Condenser			20	
471	Cone MF 15/2			20	
472	Cone MF 15/1			20	
473	Conical Flask Flat Bottom (Various Capacities)			50	
474	Desiccator			10	
475	Desiccator plates			15	
476	Drying tube bent			15	
477	ESR westergren tube			15	
478	Filter flask			15	
479	Funnels			30	
480	Gas washing bottle			30	
481	Glass cover slip			10 pack	
482	Glass slide plain			10 pack	
483	Gloves			50	
484	Graduated Cylinder (Various capacities)			50	
485	Graduated pipette			30	
486	Graduated pipettes, Pyrex (Various capacities)			30	
487	Hollow stopper			15	
488	Iron stand clamp			30	
489	Liebig condenser			15	
490	Magnetic stirrer bar			10	
491	Markham still			15	
492	Melting point apparatus			15	
493	Micro Pipettes Adjustable			15	
494	Multiple adapter			15	
495	Pestle & mortar			15	
496	Petri dish			50	
497	Pycnometer			30	
498	Pipette filter			30	
499	R.B.C pipette			30	
500	R. B. flask			30	
501	R. flask			30	
502	Reagent bottle			100	
503	Receiver adopter			30	
504	Receiver bend with vent			30	
505	Receiving flask			20	
506	Round Bottom Flask (Various capacities)			30	
507	Socket			20	
508	Soxhlet apparatus			15	
509	Spatula			20	
510	Spatula small steel			20	
511	Stop cork assembly			20	
512	Syringe disposable			10 pack	
513	Test Tube 1/ 1000			10 Pack	
514	Volumetric Flasks Glass (Various capacities)			10 each	
515	W.B.C. pipette			20	
516	Water taps			20	

517	Capillary tube			10 pack	
518	Fusion tube			10	
519	Test tube (5 ml & 25 ml)			10 pack	
520	Funnel plane angle (60 mm & 80 mm)			20	
521	Thermometer (100 C/ 110 C, 360C &340C)			10 each	
522	Water distillation plants (Electric)			2 minimum	
523	Beaker (50, 100, 250,1000 &2000 ml)			20 each	
524	Separating funnel (100 ml & 250 ml)			10 each	
525	Funnel plain (100 ml)			10 each	
526	Measuring flask (50,100,250,500 &1000ml)			10 each	
527	Volumetric pipette (10 & 20 ml)			10 each	
528	Titration flask (50,100 &250 ml)			10 each	
529	Burette (10 & 50 ml)			10 each	
530	Measuring cylinder (10,50,100 &250 ml)			15 each	
531	Condenser (14/23,19/26 & 24/29)			10 each	
532	Round bottom flask (50,100 &1000 ml)			10 each	
533	3-neck round bottom flask (100 & 250 ml)			10 each	
534	Receiving flask (50,100 & 250 ml)			10 each	
535	Desiccator (140,200 mm, 150 ml)			5 each	
536	Desiccator plate			10	
537	Pycnometer (10,25 & 50 ml)			10 each	
538	Glass washing bottles (250 ml)			15 each	
539	Cone MF 15/1 and 15/2 (14/23, 19/26)			15 each	
540	Dropping bottle (125 ml)			15 each	
541	Viscometer			15	
542	Watch glass (2 inch & 3 inch)			20 each	
543	Glass slide plain			10 Pack	
544	Glass cover slip			10 Pack	
545	Petri dish (4 inch)			20	
546	Iodine flask (250 ml)			20	
547	Neubauer's chamber			20	
548	Air condenser (C2/11,C2/12)			20	
549	Glass tile			20	
550	Safety glasses			20	
551	Flat bottom flask (5 L)			10	
552	Rotational viscometer			10	
553	Micro pipette			20	
554	Wall thermometer			2	
555	Depression slide			20	
556	Colony counter			1	
557	Filtration assembly			5	
558	Distillation apparatus glass			5	
559	Glass vials			50	
560	Lens for microscope (10X & 40X)			5	

SUB TOTAL 0.00

MORE LESS

GST @ 18%

S & H

OTHER

0.00

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GRAND TOTAL

Make all checks payable to **Hafiz Scientific Corporation**

If you have any questions about this invoice, please contact Muhammad Afzal , +923456230833 ,



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