

Annexure I (INSTRUMENTS AND APPARATUS)

SL.NO	PARTICULARS	Quantity
1	Andreasen's (standard) (550ml cylinder vessel with 10ml pipette with glass stopp	3
2	Arsenic Limit Test Apparatus(Gutzeit apparatus) (standard)	2
3	Autoclave (electrical , ss capacity 50 liter, temp range upto 150 degree C, pressure	1
4	Brookfield's viscometer digital	1
5	Bulk density apparatus (meets the IP and USP specification with two cylinder h	2
6	CHARTS FOR :	
	Endocrine system	1
	Circulatory system	1
	Nervous system	1
	Variuos types of tissues	1
	Hemopoiesis	1
7	Clarity test apparatus for labotary purpose	1
8	Clinical Centrifuge (Laboratory Centrifuge 8x15 MI, Rotor Capacity (MI) 8x15, MI No. Of Tubes 8.0, Max. Speed (Rpm) 3500,)	1
9	Collapsible tube crimping machine (along with Seailing)	1
10	Conductivity meter (Digital) scientific laboratory equipment with half digit LED display and facility for temperature compensation and digital cell constant adjustment	1
11	Different Contraceptive Devices and Models	
	Intrauterine devices	1
	Oral contraceptives	1
	Male condom	1
	Female condom	1
	Pregnancy test kit	1
12	dissection box (std laboratory)	2
13	Distillation Unit 1. Wall mount 2ltr/hr,load 2.0kw ,2. Borosilicate 1.5 lt/hr.230-2	2
14	Haemocytometer with Micropipettes	5
15	Homogenizer strring capacity up to 5 liter	2
16	Hot air oven Digital ,No of trays 3, operated from 50 to 300 °C, using a thermostat to control the temperatur ,forced air circulation.	1
17	Hot plate with magnetic stirrer electronically controlled, motorized magnetic stirr	6
18	Humidity control oven(temperature 10-100 degree humidity 20-95% RH)	1
19	Hutchinson's spirometer (student spyrometer,6 liter capacity,SS)	1
20	Magnetic stirrer, 500ml and 1 litre capacity with speed control	5
21	Mechanical stirrer(with speed regulator) rpm up to 4000 and stirring up to 5liter	5
22	Models for various organs	
	Eye	1
	Ear	1
	Brain	1

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SL.NO	PARTICULARS	Quantity
	Lungs	1
	Kidney	1
	Skin	1
	Heart	1
	Digestive system	1
	Urinary system	1
	Reproductive system	1
23	Monsanto's hardness tester (standard)	1
24	Nessler's Cylinders (100ml)	10
25	Ointment filling machine (stroke type filling with capacity 5 grm to 50 grm adjust)	1
26	Ostwald's viscometer (standard)	15
27	Percolator (conical typr made up of ss, 1000ml 3 legged stand, jointless, drain con)	5
28	Permanent Slides for various tissues	
	Squamous epithelium	2
	Cuboidal epithelium	2
	Columinar epithelium	2
	Ciliated epithelium	2
	Transitional epithelium	2
	Blood	2
	Areolar connective tissue	2
	Bone	2
	Adipose tissue	2
	Cartilage	2
	Fibro cartilage	2
	Smooth muscle	2
	Cardiac muscele	2
	Skeletal muscele	2
29	Pfizer type hardness tester (std)	1
30	potentiometer (digital) High stable and accurate ,4 electrodes for different titratic	1
31	Propeller type mechanical agitator(flexible to adjust height and speed regulator u	5
32	Refrigerator (laboratory , capacity 500 litres, temperature range 2-8 degree celciu	2
33	Sahli's hemoglobinometer (Standard)	10
34	Sieve shaker with sieve set (vibrational type having wide measuring range)	1
35	simple microscope (dissecting microscope with U shape or round base with alum	2
36	Stage and eye piece micrometer	5
37	Stalagmometer (2.5 ml, 3.5ml,5ml)	15
38	Standard sieves, sieve no. (8, 10, 20,30,40,60, 80,100,120,140)	10
39	Thermometer (LAB PURPOSE) glass, 0-360degree celcius,	10
40	Thermometer (human,digital,clinical)	5
41	Tray dryer (3 tray, heat adjustable to 100 degree celcius, forced air circulation)	1
42	Vaccum pump for filtration (motor- with pipe)pump speed-1725 RPM , voltage	2
43	Venturi tube (filter pump glass aspirator: Borosilicate for vaccum filtration for lat	2
44	Vernier calliper ,0-600mm	1
45	westergren's pipette with stand and pasteur pipette (STD)	4
46	wintrobe's hematocrit 6 tube with stand	4

Annexure I

(GLASSWARE AND MISCELLANEOUS)

SL.NO	PARTICULARS	QUANTITY
GLASSWARE		
1	Beaker 250ml	40
2	Boiling tubes (100 piece in pack)	2
3	Burettes with stand (50ml)	30
4	Collapsible tube (60ml volume , 5-20mm diameter)	30
5	Condenser borosilicate (leibig type 19/22 joint 180 mm in jacket length) with appropriate rubber pipes	5
6	Conical Flask 100ml	20
7	Conical Flask 200ml	20
8	Conical Flask 250ml	20
9	Conical Flask 500ml	20
10	Conical Flask 50ml	20
11	cover slip (100 pieces)	10 box
12	Crucibles with cover (35-45 mm diameter)	3
13	Density bottle(pycnometer) glass (25 ml)	20
14	Desiccator (medium 300 mm and 210 mm small) along with silica	10
15	Dissection Tray and Boards	2
16	Dropper with rubber bulbs	10
17	Evaporating china dish (35ml vol,60mm dia)	10
18	Filtration Assembly flask capacity 500ml-1000ml funnel capacity 300ml filtration area not less than 9.6cmsq	2
19	Folin-Wu tubes (tube is calibrated as 35ml and 50ml length 200mm)	4
20	Fusion tube (100 pieces per pack)	2 pkt
21	Haemostatic artery forceps (different types of artery forcep)	1 full set
22	Hypodermic syringes and needles of size 15,24,26G	1 each
23	Ignition tube (100 piece)	1 pkt
24	Measuring Cylinder 50 ml	10
25	ointment slab (12"x12"x3/4" with rough bottom)	20
26	pasture pipette 10ml,25ml	5
27	Petri dish 90mm dia	30
28	Pipette 1 ml Graduated	5
29	Pipette 10 ml Graduated	5

Annexure I (GLASSWARE AND MISCELLANEOUS)

SL.NO	PARTICULARS	QUANTITY
30	pipette 2 ML Graduated	5
31	Pipette 5 ml Graduated	5
32	Pipette stand vertical	6
33	porcelain disc of different size	20
34	Reflux condenser with appropriate rubber pipe	5
35	Reflux flask double / triple neck	10 each
36	Reflux flask single neck	10
37	Separating funnel (250ML,500ML)	5 each
38	Thiele tube	2
39	Thistle tube	3
40	Volumetric Flask 10 ml	20
41	Volumetric Flask 100 ml (10 amber colour)	20
42	Volumetric Flask 20 ml	40
43	Volumetric Flask 200 ml	40
44	Volumetric Flask 50 ml	40
45	Wash bottles (250ML,500ML)	10 each
46	watch glass (50mm,75mm,100mm)	10 each
47	Weighing Bottle (25ML,40ML)	15 each
MISCELLANEOUS		
48	3mm Mask	1 pkt
49	Aluminium foil	5 pk
50	Butter paper	5 pck
51	copper wire	1loop
52	Cotton	1 big size roll
53	Filter paper	1 Rim
54	Gloves (lab gloves)	10
55	Gloves Heat and acid resistat	2 each
56	Iron stand with clamps	10
57	Magnetic beads (Small and Big)	5each
58	Mercury chlorid paper	1 pkt

Annexure I (CHEMICALS AND REAGENTS)

SL.NO	PARTICULARS	ACC/UNIT	QUANTITY
1	1- Naphthol	500ml x 2	2
2	2,4 dinitrophenylhydrazine	500 gm	1
3	2-Naphthol	500ml	1
4	Acacia powder	500 x 2 gm	2
5	Acetamide	250grms	1
6	Acetanilide	500grms	1
7	Acetic acid (CH ₃ COOH)	500ml x 2	2
8	Acetic Anhydride	500 x 2 ml	2
9	Acetone	500 ml x 2	2
10	Acetyl chloride	250 grms	1
11	Albumin	500 gm	1
12	Aluminium hydroxide gel (AL(OH) ₃)	500 gm	1
13	Aluminium sulphate (Al ₂ (SO ₄) ₃)	500 gm	1
14	Amaranth	100 gm	1
15	Ammonia (NH ₃)	500ml x 2	2
16	Ammonical Silver Nitrate	500 ml	1
17	ammonium bicarbonate	500 x 2 gm	2
18	Ammonium chloride(NH ₄ CL)	500 gm	1
19	Ammonium hydroxide	500 x 2 gm	2
20	Ammonium Molybdate	500 gm	1
21	Ammonium Oxalate	250 gm x 3	3
22	Ammonium Sulphate	500 gm	1
23	Anhydrous Sodium Carbonate	500 x 2 gm	2
24	Anhydrous Sodium sulphate	500gm	1
25	Aniline	500ml	1
26	arachis oil	500 ml	1
27	Arsenic trioxide (As ₂ O ₃)	250grms	1
28	Aspirin	250gm	1
29	Barfoeds Reagent	500 ml	1
30	Barium chloride (BaCL ₂)	500grms x 2	2
31	Barium hydroxide	500grms	1
32	Barium Sulphate (BaSO ₄)	500grms	1
33	Benedicts Reagent	500 ml	1
34	Benedicts Uric Acid Reagent	500 ml	1
35	Bentonite	250grms x 5	5
36	Benzaldehyde	500 x 3 ml	3
37	Benzene	1ltr	1
38	Benzidine Powder	500 gm	1
39	Benzoic Acid	500 ml	1
40	Benzoin	500ml	1

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SL.NO	PARTICULARS	ACC/UNIT	QUANTITY
41	benzoyl chloride	500grms	1
42	Borax	200 grms x 2	2
43	boric acid	500 x 2 gm	2
44	Bromine	500ml	1
45	calamine	500 x 2 gm	2
46	calcium carbonate (CaCO ₃)	500grms x3	3
47	Calcium chloride	500grms	1
48	Calcium gluconate	500gms	1
49	calcium hydroxide	500gms	1
50	camphor powder	500 x 2 gm	2
51	Carbon tetrachloride	500ml	1
52	carbopal "934"	500 x 2 gm	2
53	Casein	500 gm	1
54	Castor oil	100mlx2	2
55	Cedar Wood Oil	250 ml	1
56	Cerric ammonium nitrate	250grms	1
57	Cerric ammonium sulphate	250grms	1
58	cetostearyl alcohol	500 x 2 gm	2
59	cetyl alcohol	500 x 2 gm	2
60	cetyl ester wax	500 x 2 gm	2
61	Charcoal	500grms	1
62	Chlorine granules	250grms	1
63	Chloroform	500ml x 6 ml	6
64	Chlorophenol Red	200 gm	1
65	Cholesterol	50 gm	1
66	Citric acid (C ₆ H ₈ O ₇)	250gms x 3	3
67	Cochineal	100 gm	1
68	cocoa butter	500 x 2 gm	2
69	codine phosphate	100 gm	1
70	copper acetate monohydrate	500 gm	1
71	Copper Sulphate	500 x 3 gm	3
72	Copper sulphate pentahydrate	500 gm	1
73	Creatinine	500 gm	1
74	cresol	500 x 2 gm	2
75	Dichloro methane	250ml	1
76	Dimethyl aniline	500grms	1
77	Dimethyl sulphate	250grms	1
78	Dinitrosalicylic Reagent	500 gm	1
79	Disodium edetate	500grms	1
80	Eosin Red	50 gm	1
81	Ethanol(C ₂ H ₅ OH)	2500ml x 2 ml	2
82	Ethyl acetate	500grms	1
83	Ethyl Ether	500grms	1
84	Fehling A Reagent	500 ml	1
85	Fehling B Reagent	500 ml	1
86	Ferric chloride	500grms x 2	2

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SL.NO	PARTICULARS	ACC/UNIT	QUANTITY
87	Ferroun sulphate	250grms	1
88	Ferrous sulfate	250gms	1
89	Floroglucinol (25 Gms)	25 gm	1
90	Fluoride Oxalate	500 gm	1
91	Formaldehyde	500ml	1
92	Formic acid	500ml	1
93	Fructose	500 gm	1
94	gelatin	500 x 2 gm	2
95	Glacial Acetic Acid	2500 x 2 ml	2
96	Glucose	500 x 2	2
97	glucose anhydrous	500 x 2 gm	2
98	Glycerine	500ml x 3	3
99	Granulated Zinc	500grms	1
100	hard paraffin	500 x 2 gm	2
101	Heavy kaolin	500grms	1
102	Hydrochloric acid	1ltrs x 3	3
103	Hydroxylamine Hydrochloride	500gm	1
104	Iodine	500 x 3 gm	3
105	Iron	250grms	1
106	Iron filings	500 x 2 gm	2
107	Iron sulphide	250grms	1
108	Isopropyl alcohol	500ml	1
109	Lactose	500 gm	1
110	Lead acetate	250gm x 3	3
111	Lead nitrate (Pb(NO ₃) ₂)	500gm	1
112	Leishman's Stain	250 ml	1
113	light magnesium carbonate	500 x 2 gm	2
114	light magnesium oxide	500 x 2 gm	2
115	liquid paraffin	500 x 2 ml	2
116	liquified phenol	500 x 2 ml	2
117	Magenta red	100 grms x 2	2
118	Magnesium sulphate (epsom salt)	500gms x 3	3
119	Magnesium hydroxide	500 x 3 gm	3
120	malonic acid	500ml	1
121	Maltose	500 gm	1
122	Mercury chloride	250gm	1
123	Methanol (CH ₃ OH)	1ltr x 3	3
124	Methyl acetate	250grms	1
125	Methyl red	100grmsx2	2
126	Methylene blue	100 grms x 4	4
127	methylparaben	100 gm	1
128	Millons Reagent	250 ml x 3	3
129	mineral oil	500 x 2 ml	2
130	Molish reagent	200mix2	2
131	Mordant black II	100grmsx2	2
132	Ninhydrin reagent	500 ml	1

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SL.NO	PARTICULARS	ACC/UNIT	QUANTITY
133	Nitric Acid	500 x 3 ml	3
134	Nitrobenzene	500grms	1
135	o-Nitro aniline	250grms	1
136	orange flower water of commerce	500 x 2 ml	2
137	orange oil	500 x 2 ml	2
138	Orange red	100grmsx2	2
139	ortho phosphoric acid	500 x 2 gm	2
140	Oxalic acid	500grms	1
141	Paracetamol	50 x 5 grms	5
142	Paraffin oil	1 litr	1
143	peppermint oil	100 ml	1
144	Phenol	1ltr	1
145	Phenolphthalein	1bottles x 4	4
146	Phenyl Hydrazine Hydrochloride	500 x 2 gm	2
147	Phosphomolybadic Acid	500 gm	1
148	Phosphorous pentachloride	500grms	1
149	Phthalic anhydride	500gm	1
150	Picric acid	500gm	1
151	piperazine citrate	100 gm	1
152	p-nitrobenzoic acid	250gm	1
153	p-nitrobenzyl bromide	250gm	1
154	Potassium Oxalate	250 gm	1
155	potassium bicarbonate	500 x 2 gm	2
156	potassium bromide	500gm	1
157	potassium chloride	500 x 3 gm	3
158	Potassium Di Hydrogen Phosphate	500 gm	1
159	potassium dichromate	500gms	1
160	Potassium Dihydrogen Orthophosphate	500 gm	1
161	Potassium Ferricyanide	500 gm	1
162	Potassium ferrocyanide	250gms	1
163	potassium hydroxide	500 x 4 gm	4
164	Potassium iodide (KI)	500gms x 3	3
165	Potassium permanganate(KmnO4)	500gms	1
166	Potassium sodium tartarate	250gms	1
167	Potassium sulphate (K2SO4)	500gms	1
168	Potassium thiocyanate	250gms	1
169	precipitated sulphur	500 x 2 gm	2
170	propyl paraben	100 gm	1
171	propylene glycol	500 x 2 gm	2
172	purified talc	500 x 2 gm	2
173	Pyridine	50ml	1
174	raspberry juice	500 ml	1
175	Rectified spirit	50 ml	1
176	Resorcinol	250gms x 3	3
177	rose water	500 x 2 ml	2
178	saccharin	100 gm	1

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SL.NO	PARTICULARS	ACC/UNIT	QUANTITY
179	Salicylic acid	250ml	1
180	Schiff reagent	500ml	1
181	Seliwanoffs Reagent	500 ml	1
182	silver nitrate (AgNO ₃)	100gmx3	3
183	sodium acetate	500gms x 2	2
184	Sodium Amide	250gm	1
185	sodium benzoate	500 x 2 gm	2
186	Sodium bicarbonate(NaHCO ₃)	500 x 3 gm	3
187	sodium borate	500 x 2 gm	2
188	Sodium bromide	500grms	1
189	Sodium carbonate	500grms x 2	2
190	Sodium chloride (NaCL)	500grms x 3	3
191	Sodium Citrate	500 x 4 gm	4
192	sodium citrate dihydrate	500 gm	1
193	Sodium dichromate	500 grms	1
194	Sodium Hydro Bromide	500 gm	1
195	sodium hydroxide (NaOH) pellets	500grms x 3	3
196	sodium hydroxide (NaOH) flakes	500 gm	1
197	Sodium Hypo Bromide	500 ml	1
198	Sodium hypo chlorite	500ml	1
199	Sodium Hypo Bromate	500 ml	1
200	Sodium lauryl sulphate (SLS)	500grms x 2	2
201	Sodium metal	500grms	1
202	Sodium nitrate	250grms x 3	3
203	Sodium nitrite	250grms	1
204	Sodium nitroprusside	500grms x 2	2
205	sodium phosphate Monobasic	500 x 3 gm	3
206	sodium potassium tartrate	500 x 2 gm	2
207	Sodium thiosulphate	500grms	1
208	Sodium Tungstate	500 gm	1
209	sorbitol	500 x 2 mg	2
210	Standard Buffer (pH 4,7,9)	1 each	1
211	Stannous chloride(SnCl ₂)	250gms	1
212	Starch indicator	100gmx2	2
213	Starch powder	500grms x 5	5
214	stearic acid	500 x 2 gm	2
215	stearyl alcohol	500 x 2 gm	2
216	Sublimed Sulphur Powder	500 gm	1
217	Sucrose	500 x 4 gm	4
218	Sudan Red Iii	25 gm	1
219	Sulphanilic acid	250grms	1
220	Sulpho Salicylic Acid	500 ml	1
221	Sulphonic acid	500ml	1
222	Sulphonyl chloride	250grms	1
223	Sulphuric acid(H ₂ SO ₄)	litrx3	3
224	suppository mould (reusable)	12 piece set	1

Annexure I (CHEMICALS AND REAGENTS)

SL.NO	PARTICULARS	ACC/UNIT	QUANTITY
225	sweet orange peel tincture	500 ml	1
226	Tannic Acid	500 gm	1
227	tartaric acid	500 x 2 gm	2
228	terpin hydrate	500 gm	1
229	Thioglycolic acid	500ml	1
230	Thymol blue	25grmsx2	2
231	Tollens reagent A	500ml	1
232	Tollens reagent B	500ml	1
233	Tommers Reagent	500 ml	1
234	tragacanth powder	500 x 2 gm	2
235	Trichloro Acidic Acid	500 gm	1
236	trisodium citrate dihydrate	500 x 2 gm	2
237	Urea	500grms	1
238	vanillin	500 ml	1
239	vegetable oil	500 x 2 ml	2
240	white wax	500 x 2 gm	2
241	white/yellow soft paraffin	500 x 2 gm	2
242	wool fat	500 x 2 gm	2
243	Xylene	500ml x 2 ml	2
244	Zinc granules	250gms	1
245	Zinc oxide	500gm x 3	3