

Chemistry Dept.

SI No	Chemical Name	Make	Quantity	Remarks
1	Ammonium Chloride	Merck	2X500 gm	
2	Coper Nitrate	Merck	1X 500 gm	
3	Sodium Hydroxyde	Merck	1X 500 gm	

Requirment of Chemical, Glass Aparatus & Instrument

4	Sodium Nitrite	Merck	1 X 500 gm	
5	Di-ethyl ether	Merck	1 X 500 ml	
6	Oxalic acid	Merck	1 X 500 gm	
7	EDTA	Merck	1X 500 gm	
8	Glyceriline	Merck	1X100gm	
9	Acetic Acid	Merck	1X 500 ml	
10	Mohr Salt	Merck	1X 500 gm	
11	Sulfanilic Acid	Merck	1 X 100 gm	
12	Salol	Merck	1 X 100 gm	
13	Acetone	Merck	1 X 500 ml	
14	Carbon tetra chloride	Merck	1 X 500 ml	
15	Chloroform	Merck	1 X 500 ml	
16	Aniline	Merck	1 X 500 ml	
17	Ethanol	Merck	10 X 500 ml	
18	Vaniline	Merck	1 X 100 gm	
19	Acetic Anhydride	Merck	1 X 100 gm	
20	Acetanilide	Merck	1 X 500 gm	
21	Para-Bromo Acetanilide	Merck	1 X 500 gm	
22	Salicylic Acid	Merck	1X 500 gm	
23	Benzoil	Merck	1x100gm	
24	Benzene	Merck	2x500ml	
25	Ammonium Thiocyanide	Merck	1x100gm	
26	Potassium Iodide	Merck	2x100 gm	
27	Fluro Sylicic Acid	Merck	1x100gm	
28	Ethylene di Amine, mono hydrade	Merck	1x100ml	
29	Z-R Solution	Merck	1x100ml	
30	Zinc Uranyl Acetate	Merck	1x100gm	
31	Potasium Antimonate	Merck	1x100gm	
32	Sodium Cobaltinitrite	Merck	1x100gm	
33	Barium Thiocyanide	Merck	1x100gm	

SI No	Glass Aparatus	Make	Quantity	Remarks
1	Pipet Stand	Borosil	4	
2	Measuring Cylinder(25ml)	Borosil	4	
3	Measuring Cylinder(50ml)	Borosil	4	
4	Measuring Cylinder(100ml)	Borosil	4	
5	Measuring Cylinder (1000ml)	Borosil	4	
6	Test Tube(15ml)	Borosil	20dozen	
7	Fusion Tube	Borosil	10 dozen	
8	Net	Ordinary	40	
9	Blow Pipe	Ordinary	20	
10	Platinum Wire	Ordinary	10	
11	Reagent Bottle (100ml)	Ordinary	20	

12	Weight Paper	Ordinary	10 pcs	
13	Pipette 10 ml		04	
14	Filter Paper	Ordinary	20 packet	
15	Litmus Paper		04 packet	
16	Round bottom flask	Borosil	10	
17	Reagent Bottle (100 ml)	Borosil	24 pcs	
18	Whatman 41 No		1 Pkt	
19	Measuring Flask 100 ml	Borosil	10 pcs	
20	Measuring Flask 250 ml	Borosil	10 pcs	
21	Measuring Flask 500 ml	Borosil	6 pcs	
22	Measuring Flask 1000 ml	Borosil	6 pcs	
23	Spatula		10 Pcs	
24	Knife		2 Pcs	
25	Boiling Point Machine		1 No	

DEPT. OF GEOGRAPHY

SL. NO.	NAME OF THE INSTRUMENTS	APPROX PRICE (EACH)	QUANTITY	TOTAL PRICE
1	Abney level (MM-Industries)	1500	4	6000
2	Clinometer	550	4	2200
3	Theodolite with stand	14000	1	14000
4	Dumpy level with stand	3500	2	7000
5	Prismatic compass	1500	2	3000
6	Infiltrator meter	15000	1	15000
7	Echo-sounder (garmin striker7 sv)	52000	1	52000
8	Test tube Stand	150	5	750
9	Test tube washing Brush	20	5	100
10	Plum bob	50	5	250
Total				100,300

DEPARTMENT OF ZOOLOGY

Sl no.	Particulars	Makers
1	Manganous Sulphate	Merck/ Loba
2	Sodium Hydroxide	Merck/ Loba
3	Potassium Hydroxide	Merck/ Loba
4	Alkaline Iodine Solution	Merck
5	Sodium Thiosulphate	Merck/ Loba
6	Starch Solution	Merck/ Loba
7	Phenolphthalene solution	Merck/ Loba
8	Methyl Orange	Merck/ Loba

9	Paraffin (Melting Point 50-60°c)	Merck/ Loba
10	Haematoxyline	Merck/ Loba
11	Eosin	Merck/ Loba
12	DPX	Merck/ Loba
13	ABO Blood Group Testing Kit	Span/ ABD
14	Phenonthroline Monohydrate	Merck/ Loba
15	Ferrous Sulphate	Merck/ Loba
16	Ferrous Amonium Sulphate (FAS)	Merck/ Loba
17	Feroin Indicator	Merck/ Loba
18	Potassium Di-Chromate	Merck/ Loba
19	Deionized Water	Merck/ Loba
20	Lithium Hydroxide	Merck/ Loba
21	Potash Alcohol	
22	Soap Stone Powder	Merck
23	Coper Sulphate	Merck/ Loba
24	Aceto Orcin	Merck/ Loba
25	Acetic Acid	Merck/ Loba
26	Normal Saline	Merck/ Loba
27	Aceto Alcohol	Merc/ Loba
28	Carmine Powder	Merck/ Loba
29	Lactic Acid	Merck/ Loba
30	Orcin Powder	Merck/ Loba
31	Sulpheuric Acid	Merck
32	Soluble Starch	Merck/ Loba
33	Sodium Tungstate	Merck/ Loba
34	Sodium Molybdate	Merck/ Loba
35	Sodium Potassium Tartarate	Merck/ Loba
36	Sodium Carbonate	Merck/ Loba
37	Benedict(Qualitative)	Merck Loba
38	HCL	Loba Merck
39	Potassium Hydroxide	Loba Merck
40	Sodium Thiosulphate	Loba Merck
41	Fructose	Loba Merck
42	Lactose	Loba Merck
43	Di-Ethyl Ether	Merck
44	Casein	Loba
45	Folin-Ciocalteau Reagent	Loba

46	Buins Fluid	Loba
47	Clove Oil	Loba
48	Potassium Iodite	Loba
		Merck
49	Potassium Iodite Solution	Loba
50	Galactose	Loba
51	Maltose	Loba
		Merck
52	Carbon Tetrachloride	Merck
53	Zinc Acetate	Merck
54	Sodium Peroxide	Loba
		Merck
55	Hydrogen Peroxide	Merck
56	Sodium carbonate	Merck
57	Glycerine	Merck
58	Absolute Alcohol	China
59	Rectified Spirit	B.C.
60	Methyl acetate	Merck
61	Lactose	Merck
		Loba
62	Chemicals for dissolved O ₂ -estimation	Test Master
		G.Q.(Color Disc)
63	Chemicals for dissolved CO ₂ -estimation	Test Master
		G.Q.
64	Chemicals for Protein estimation by Lowry Method	
65	Glass jar for Laboratory Animals(Rectangular & Round: Large & Small size minimum 1ft to max. 2ft length)	30 X 15 c.m. (HXD)
		20 X 10 c.m. (H X D)
		20 X 7 c.m. (HXD)
		Rectangular Small size 1 ft
		Rectangular Small size 2 ft
		Round with backlite cap(500ml)
		Round with backlite cap(1Lit)
Round with backlite		

		cap(1.5Lit)
66	Alkalinity of water testing kit	Nice Transchem Agritech Ltd.
		Aquasol
67	Net for spirit lamp stand-Wire Gauge	Ordinary Silicon B.Q.
68.	pH Tablet	

CHEMICALS AND QUANTITY:

1. Benedict (qualitative)-(MERCK)	500 ml x 3
2. Boins fluid-(LOBA)	100 ml x 3
3. Barfoed Reagent -(MERCK)	125 ml x 4
4. HCL-(MERCK)	1000 ml x 3
5. Potasium hydroxide-(QUALIKENS)	2000 gm x 3
6. Safranine-(NICE)	125 ml x 2
7. Alkaline iodide(KI)	500 ml x 2
8. Fructose -(SRL)	500 gm x 2
9. Galactose-(SRL)	100 gm x 5
10. Lactose-(SRL)	500 gm x 5
11. Maltose -(SRL)	100 gm x 5
12. Ethyl alcohol 95%	125 ml x 4
13. Hematoxyline (MERCK)	125 ml x 4
14. Lugal iodine (MERCK)	125 ml x 4

REQUIREMENTS OF INSTRUMENT:

Name of the Instrument	Quantity
1.Alpin-(BELL)	1 box x 10
2. Blotting Paper	1 box x 20
3.Cover slip-(BLUE STAR)	1 box x 10
4.Droper	1 pc. X 25
5.Large forcep	1 pc. X 4
6.Compound Microscope-(OLYMPUS/GOKO)	6 pc.
7.Slide-(BLUE STAR)	1box x 20
8.Spirit lamp	1 pc. X 25
9.Syringe	4 pkt..
10.Camera lucida	1 pc.
11. Dissection chart- i. EARTHWORM ---Nervous system, Reproductive system , Nerve ring, septal	1 pc./Item

nephridia , Digestive system ii. COCKROACH -- Nervous system,Reproductive system(male and female), Salivary apparatus , Digestive system iii. ROHU --- Afferent and Effernt branchial arteries, 9 th & 10 th cranial nerves , Brain and Pituitary iv. APPLE SNAIL-- Nervous system and Digestive system	
12.Centrifuge-(VWR/TARSONS)	1pcs.
13.Electrical Balance-2digit(WENSEAR)	1pcs
14. Dissection tray	30 pcs
15.Distilled water plant (IB)	1pcs
16.Hot air oven (ESTERN INSTRUMENT)	1pcs

REQUIREMENTS OF OTHER ARTICLES:

NAME OF THE OBJECTS	QUANTITY
1 .Tube light	5 pc.
2. Almirah for Specimen	2 PC.
3. Almirah for Chemicals	1 pc.
4. Window cover	3 pc.
5. Fan	4 pc.
6. Printer-(CANON)	1 pc.
7. Projector-LCD (1 pc.
8. Computer (HCL)	5 pc.
9. Table(5"/2.5")	1 pc.
10. Paper weight	4 pc.
11.Table basket	2 pc.
12. Pencil	1 pck.
13. Colour pen (4 colour)	1 pck
14. White board(6'/4')	1 pc.
15. Marker pen(4 colour)	16 pc.
16. Dustbin	2 pc.
17. Water bottle	2 pc.
18. Curtain with aluminium rod	
19. Tool (Wood)	20 pc.
20. Xerox page	1 pck.
21. Ink (for marker)	4 pck.

REQUIREMENTS OF SPECIMEN:

1 . <i>Cirrhinus mrigala</i>	1
2. <i>Elphidium sp.</i>	1
3. <i>Physalia sp.</i>	1
4. <i>Chaetopterus sp.</i>	1
5. <i>Hippa sp.</i>	1
6. <i>Eupagurus sp.</i>	1
7 . <i>Carcinoscorpius sp</i>	1
8. <i>Peripatus</i>	1
9. <i>Belostoma sp.</i>	1
10. <i>Chiton sp.</i>	1
11. <i>Aplysia sp.</i>	1
12. <i>Astropecten sp.</i>	1
13. <i>Hirudinaria sp.</i>	1
14. <i>Myxine sp.</i>	1
15. <i>Hippocampus sp.</i>	1
16. <i>Echinus sp.</i>	1
17. <i>Ichthyophis sp.</i>	1
18. <i>Aurelia sp.</i>	1
19. <i>Cryptobranchus</i>	1
20. <i>Hyla</i>	1
21. <i>Vipera</i>	1
22. <i>Hydrophis</i>	1
23. <i>Pycnonotus</i>	1
24. <i>Halcyon</i>	1
25. <i>Dinopium</i>	1
26. <i>Hispa</i>	1
27. <i>Leucinodes</i>	1
28. <i>Labeo rohita</i>	1
29. <i>Mugil parsia</i>	1
30. <i>Tanymecus indicus</i>	1
31. Termite	1
32. <i>Poterion neptuni</i>	1
33. <i>Millepora</i>	1
34. <i>Tubipora sp.</i>	1
35. <i>Corallium sp.</i>	1
36. <i>Alcyonium sp.</i>	1
37. <i>Gorgonia sp.</i>	1
38. <i>Metridium sp.</i>	1
39. <i>Pennatula sp.</i>	1
40. <i>Fungia sp.</i>	1
41. <i>Meandrina sp.</i>	1
42. <i>Medrepora sp.</i>	1
43. <i>Nereis sp.</i>	1

Item no	Name of the instrument with Specification	Name of company	quantity	Approx rate
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ITEMS	QUANTITY
1.LYMPH GLAND	1
2.BURSA OF FABRICEOUS	1
3.CHICK EMBRYO 72 hrs.	1
4.BLASTULA OF FROG	1
5.ADRENAL GLAND	1
6. <i>Paramoecium</i> sp	1
7. <i>Giardia</i> sp.	1

REQUIREMENTS OF SLIDE SPECIMEN:

1	Traveling microscope. (Best quality) Horizontal & Vertical scale gunmetal slider on cast iron base. Brass scale Make: Devco	Devoco	2	1800
2	. Regulated power supply, 0-10V/1A DC , 0-2 V	Standard company	8	8000
3	Regulated power supply(0-2V) with constant current source	Standard company	10	9500
4	Regulated power supply, 0-2V/1A DC	Standard company	6	7200
5	Focal length of a concave lens by combination method. Combination lens set only		1	300
6	Table lamp	Standard company	3	750
7	p-n junction diode(15pcs), zener diode(15pcs) , variour range carbon resistance(1k, 10k, 500ohm etc) 20 pcs Transistor (PNP or NPN) 20 PCS			500
8	IC 7404, IC 7402, IC 7408, IC 7402, IC7411C 7400		10*5=50	2000
9	Volt meter,(0-2V), (0-10V) digital	Standard company	6	5500
10	Ammeter (0-20 mA), (0-200mA) digital	Standard company	6	5500
11	Microammeter (0-200uA) digital	Standard company	3	2100
12	Spectrometer	GOKO/DEVCO	1	12000
13	Bread bord wire (1 coil)	Standard company		1000
14	cutter		4	250
15	Bread boad		8	1500

DEPARTMENT OF PHYSICS

DEPARTMENT OF PHYSIOLOGY

SL No.	Name	Make	Qty
1	Pneumograph set	Inco	1 No
2	Myograph	Inco	4 Nos
3	Kymograph	Inco	4 Nos
4A	Sphygmomanometer	Doctor Brand	10 Nos
4B		MercuryType	05 Nos
5	Stethoscope	Doctor Brand	10 Nos
6	Stop Watch	Diamond	10 Nos
7	Incubater S.S. Digital Big size	EI	01 No
8	Compound Microscope	Olympus	10 Nos
9.1	Microscope Magnus MLX Plus	Olympus	10 Nos
9.2	Microscope Magnus Binocular	Olympus	01 Nos
10	Haemocytometer	Germany	10 Nos
11	Tritation Set	Poly Lab	15 Nos
12	Spirit Lamp	Standard company	15 Nos
13	Graduated Pipette (10 ml)	Borosil	10 Nos
14	Graduated Pipette (5 ml)	Borosil	10 Nos
15	Graduated Pipette (2 ml)	Borosil	10 Nos
16	Graduated Pipette (1 ml)	Borosil	5 Nos
17	Measuring Cylinder (1 lit)	Borosil	2 Nos

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18	Measuring Cylinder (0.5 lit)	Borosil	2 Nos
19	Conical Flask (500 ml)	Borosil	10 Nos
20	Conical Flask (250 ml)	Borosil	10 Nos
21	Conical Flask (100 ml)	Borosil	15 Nos
22	Conical Flask (50 ml)	Borosil	25 Nos
23	Reagent Bottle (1000 ml)	Borosil	10 Nos
24	Reagent Bottle (500 ml)	Borosil	20 Nos
25	Reagent Bottle (250 ml)	Borosil	30 Nos
26	Beaker (500 ml)	Borosil	20 Nos
27	Beaker (250 ml)	Borosil	20 Nos
28	Beaker (100 ml)	Borosil	25 Nos
29	Beaker (50 ml)	Borosil	30 Nos
30	Funnel (3")	Borosil	5 Nos
31	Test Tube (27 ml)	Borosil	4 Gross
32	Burette (50 ml)	Borosil	15 Nos
33	Haemoglobino meter	Germany	10 Nos
34	Wintrobe's tube	Standard company	10 Nos
35	Petridish	Borosil	24 Pair
36	Variable volume pipette- 500 ml, 200 ml, 100 ml	Tarsons	01 Nos each pipette
37	Test Tube Stand	Tarsons	15 Nos
38.1	Pipette Stand	Tarsons	6 Nos.
38.2	Pipette storage rack with magnet	Tarsons	6 Nos.
39	Anthropometric Rod	Inco	5 Nos.
40	Plastic tray (18"* 12")	Standard company	15 Nos.
41	Paper A4 size (white)	Standard company	02 Ream
42	Cotton	Standard company	04 Pound
43	Tissue paper	Standard company	04 Packs
44	Filter(9 cm)	Standard company	10 Packs
45	Volumetric Flask(100 ml)	Borosil	10 Nos.
46	Variable volume pipette- 500 ml, 200 ml, 100 ml Tips	Tarsons	01 Pack for each micropipette
47	Electronic precision balance	Standard company	05 Nos.
48	Measurement steel tape (9 meter)	Standard company	05 Nos
49	Capillary tube (Fine)	Standard company	02 Box
50	Smoke burner(for Kymograph drum smoke)	Inco	02 Box
51	Permanent slide – Lung	Biosco	4 Nos each

<p>,Trachea, Tongue, Oesophagus, Stomach, Duodenum , Jejunum, Ileum, Large Intestine, Salivary Gland, Liver, Pancreas, Lymph gland, Spleen, Skin, Kidney, Thyroid, Adrenal Gland, Testis, Pituitary Gland, Ovary, Spinal Cord, cerebellu, Cerebrum, Trachea, Artery, Vein.</p>		
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REQUIREMENTS OF CHEMICALS

Name of Chemicals	Qty	Make
1. Benedicts Quantitative Reagent	2000 ml	Merck
2. Benedict Qualitative Reagent	2000 ml	Merck
3. Conc. Sulphuric Acid	1000 ml	Merck
4. Sodium Bicarbonate	500 gm	Merck
5. Iodine Powder	50gm	Merck
6. Potassium Permanganate	500 gm	Merck
7. Metaphosphoric acid	500 gm	Merck
8. Leishman Stain	500 ml	Merck
9. Ethanol	5000 ml	China
10. Silver nitrate pure	25gm	Merck
12. Distilled water	10 Lts.	Standard company
13. Ammonium hydroxide	500 gm	Merck
14. Ammonium sulphate	500 gm	Merck
15. Sucrose	500 gm	Merck
16. Conc. Nitric acid	1000 ml	Merck
17. Starch	500 gm	Merck
18. Peptone	500 gm	Merck
19. Conc. Hydrochloric acid	1000 ml	Merck
20. Ascorbic acid	100 gm	Merck
21. Bile salt	100 gm	Sd fine-chem Ltd.
22 Bile pigment	100 gm	Sd fine-chem Ltd.
23. Barium chloride	1bottle	Merck
25. Hand wash	500 ml	Dettol
26. L- Tryptophan	100 gm	Merck
27. 2,6-Dichlorophenol Indophenols'	5 gm	Merck
28. Molish reagent	500 ml	Merck
29. Millon's reagent	500 ml	Merck
30. Formaldehyde	500 ml	Merck
31. Methylene Blue	200 ml	Merck
32. Chloroform	500 ml	Merck
33. Trichloroacetic acid	500 gm	Merck
34. Hopkins- Cole reagent	200 ml	Merck

DEPARTMENT OF NUTRITION

Name of Chemicals	make	Quantity	Unit
Benedicts Quantitative Reagent		2 bottle	500ml
Benedict Qualitative Reagent		2 bottle	500ml
Sodium Bicarbonate		2 bottle	500gm
Acetone		2 bottle	500ml
Potassium Permanganate		1 bottle	500ml
.Leishman Stain		2 bottle	250 ml
Ethanol		20 bottle	500 ml
Silver nitrate pure		1bottle	25gm
Distilled water		1 bottle	10 lit
Ammonium hydroxide		1 Bottle	500ml
Sucrose		2 bottle	500 gm
olive oil		2 bottle	100 ml
starch soluble		2 bottle	500 gm
Peptone		2 bottle	500 gm
ascorbic acid		2 bottle	100 gm
Bile salt		2 bottle	100 gm
barium chloride		1 Bottle	250gm
L- Tryptophan		1 bottle	100 gm
Fehling' solution A		2bottle	500ml
Fehling' solution B		2 bottle	500 ml
Esbach solution		2 bottle	500ml
Millon's reagent		2 bottle	500ml
Match box		2 packet	
Nitric Acid		1 Bottle	500ml
Hydrochloric Acid		2 Bottle	500ml
Potassium Bisulphate		1 Bottle	500ml
Sodium HypoBromide		1 Bottle	500ml
Acetic Acid		1 Bottle	500ml
Molish's Reagent		2Bottle	500ml
SulPhur Powder		1 Bottle	500gm
drubkins soln		2 bottle	1000ml
Borax		2 bottle	250 mg
Cholesterol		1bottle	5 gm
Glucose		2 bottle	500 gm
Maltose		2 bottle	500 gm

Dextrin		2 bottle	500 gm
Gelatin		2 bottle	500 gm
Albumin		2bottle	500 gm
Glycerol		2 bottle	500 ml
Sulphuric acid		1 bottle	500 ml
Sodium hydroxide		2 bottle	250 gm
Calcon		2 bottle	25 gm
Potassium hydroxide		2 bottle	500 ml
2,4,6 dichloro endophenol		2 bottle	5 gm
Urea		2 bottle	500 gm
Haemoglobin concentration		1 bottle	1000 ml
Molish reagent		2 bottle	500 ml
Seliwanoff reagent		2 bottle	500 ml
Iodine soln		5 bottle	125 ml
Biuret reagent		5 bottle	125 ml
Barium hydroxide		1 bottle	500gm
Calcium carbonate		1 bottle	500 ml
EDTA		1 bottle	500 gm
Sodium carbonate		2 bottle	250 gm
Lactose		2 bottle	250 gm
Phenolphthalein		1	500gm
Coconut oil(shalimar)		1bottle	500ml
Calcon		2 bottle	25gm
ether		3 bottle	500 ml
Ammonium sulphate		1 bottle	500gm
Esbach solution		1 bottle	500ml
Sodium tangstant		1 bottle	500ml
Sodium nitroprusside		1 bottle	500ml
Sodium actate		1 bottle	500gm
Ninhydrine		1bottle	500gm
Ghcial acitic acid		1bottle	250ml
Copper sulphate		1 bottle	500ml
Mercuric sulphate		1 bottle	500ml
Boric acid		1 bottle	250ml
Arginine		1 bottle	100gm
Tryptophan		1bottle	100gm
Cysteine		1bottle	100gm
Tyrosin		1bottle	100gm
Ammonium		1bottle	250gm
Potassium sulphate		1 bottle	500ml
anhydrous Titanium dioxide (TiO2)		1 bottle	250ml
Alundum			
boiling stones		1 bottle	
8-14 mesh Pumice Methyl red indicator		1 bottle	250ml
ethanol Tributyl citrate		1 bottle	250ml
Lysine monohydrochloride		1 bottle	250ml
Name of instrument	Make	Quantity	Unit

Reflex condenser ,	Borosil	1	
Pipette	Borosil	10	1 ml
		10	10 ml
		10	5ml
Beaker	Borosil	15	50ml
		20	250ml
		20	500ml
Test tube rack	Borosil	15 pic	125ml
		15pic	150ml
Glass bottle	Borosil	20	500 ml
Micro Pippet	Borosil	10 pc	0.02 ml
Measuring tape		2	
Spygmomanoter with stethoscope	Borosil	4 set	
Anthropometric rod	Hindustan	2	
Sterile needle	Borosil	1box	
Blank Glass slide	Borosil	2box	
Test Tube	Borosil	100pic	(15 x 125mm)
	Borosil	200pic	(18 x150mm)
Burette	Borosil	10	25 ml
Volumetric Flask (250ml)	Borosil	4	250 ml
Volumetric flask (500ml)	Borosil	4	500 ml
Filter paper	Borosil		2 packet
Test tube holder	Borosil	15	
Dropper		10	
Conical flask	Borosil	30	50 ml
Micro pipette sucker		4	
Brush for Test tube cleaning		5	
Spirit Lamp		10	
Weighing machine		2	
Skin fold caliper		2	
Electronic Microscope		2	
Kjeldahl flask		2	
Kjeldahl Distillation trap		2	
Rubber Stopper		10	
Condenser		2	
Erlenmeyer flask		2	

DEPARTMENT OF BOTANY

INSTRUMENTS

Sl. No.	Instrument	Quantity
1.	Tri-Binocular Light Microscope With Camera And PC.Setting	1
2.	Binocular Compound Microscope with 40x & 100x lenses	20
3.	Simple Microscope	20
4.	Laminar Air Flow	1
5.	Autoclave	1
6.	Hot Air Oven	1
7.	-20 °c Freeze	1
8.	BOD Incubator	1
9.	Ultra Centrifuge	1
10.	Microtome	1
12.	HPLC	1
14.	Inoculating Needle	5
15.	UV-vis Spectro photometer	1
17.	Ocular Micrometer Disc.	1
18.	Stage Micrometer	1
19.	Distillation Assembly	1
20.	Camera Lucida(Drawing prism)	1
21.	Planimeter	1

LABORATORY GLASS GOODS

Sl. No.	Glass goods	Maker	Quantity
1.	Beaker-1000ml	Borosil	20 pcs.
2.	Beaker-500ml	Borosil	20 pcs.
3.	Beaker-250ml	Borosil	20 pcs.
4.	Beaker-100ml	Borosil	20 pcs.
5.	Conical Flask-1000m	Borosil	20 pcs.
6.	Conical Flask-500ml	Borosil	20 pcs.
7.	Conical Flask-250ml	Borosil	20 pcs.
8.	Conical Flask-100ml	Borosil	20 pcs.
9.	Reagent Bottle- 1000ml	Borosil	20 pcs.
10.	Reagent Bottle-500ml.	Borosil	20 pcs.
11.	Reagent Bottle-250ml.	Borosil	20 pcs.
12.	Reagent Bottle-100ml.	Borosil	20 pcs.
13.	Measuring Cylinder- 1000ml.	Borosil	20 pcs.
14.	Measuring Cylinder-500ml.	Borosil	20 pcs.
15.	Measuring Cylinder-250ml.	Borosil	20 pcs.
16.	Measuring Cylinder-100ml.	Borosil	20 pcs.
17.	Burettes	Borosil	20pcs
18.	Test Tube	Borosil	100pcs.
19.	Glass Rod	Borosil	50pcs.
20.	Funnel	Borosil	20 pcs.
21.	Pipettes- 20ml	Borosil	20 pcs.
22.	Pipettes-5ml	Borosil	20pcs
23.	Pipettes-10ml	Borosil	20 pcs.
24.	Petridish	Borosil	40 pcs.
25.	Watch Glass	Borosil	20pcs.
26.	Slide box	Borosil	5pkt.
27.	Cover Slip	Borosil	5pkt.
28.	Dropping Bottle	Borosil	20pcs.
29.	Magnifying glass 20x & 40 x	Borosil	1pc each
30.	Graduated Glas Tube	Borosil	10pcs.
31.	Ganong's Potomrter	Borosil	1pc.
32.	Farmer's Potometer	Borosil	
33.	Darwin's Potometer	Borosil	
34.	Respiroscope	Borosil	
		Borosil	

CHEMICAL

Sl. No.	Chemicals	Make	Quantity
1.	D.P.X. Mountant 500 ml	Merck	2 bottle
2.	Formaldehyde Solution 500 ml	Merck	5 bottle
3.	Glacial Acetic Acid 500 ml	Merck	5bottle
4.	Hydrochloric Acid 500ml	Merck	2bottle
5.	Carmin Powder	Merck	10 gm
6.	Safranin 125 ml	Merck	5 bottle
7.	Canada Balsam 250ml	Merck	2bottle
8.	Glycerin 500ml	Merck	2bottle
9.	Orcein Powder	Merck	10gm
10.	Lactophenol in cotton Blue 500ml	Merck	1bottle
11.	Crystal Violet 125 ml	Merck	2bottle
12.	Iodine Solution 125ml	Merck	2bottle
13.	Bismark Brown 250ml	Merck	4bottle
14.	Sodium Carbonate	Merck	
15.	Ethanol 500ml	Merck	10bottle
16.	Xylene 500ml	Merck	2bottle
17.	Copper Sulphate	Merck	500gm
18.	Aniline Blue	Merck	500gm
19.	Basic Fuchsin	Merck	500gm
20.	Cotton Blue	Merck	250ml
21.	Eosine	Merck	100ml
22.	Light green	Merck	50ml
23.	Lactic acid 500ml	Merck	2bottle
24.	Concentrated Sulphuric acid	Merck	50ml
25.	Fehling's Reagent	Merck	50ml
26.	. NaOH Solution	Merck	500ml
27.	Barfoed's Reagent	Merck	50ml
28.	Tannic Acid	Merck	50ml
29.	Seliwanoff's Reagent	Merck	50ml
32.	AgNo ₃ Solution	Merck	50ml
33.	Phenule Hydrazine Hydrochloride	Merck	50ml
34.	Sodium Acetate	Merck	100ml
35.	Ammonium Molybdate Solution	Merck	50ml
36.	Cobalt Chloride Solution	Merck	50ml
36.	Ammonium Hydroxide	Merck	500ml
37.	Calcium chloride Solution	Merck	100ml
38.	Lead acetate Solution	Merck	50ml
39.	Hydrogene Peroxide solution	Merck	500ml
40.	KMNO ₄ Solution	Merck	50ml
41.	Ferric chloride solution	Merck	50ml

42.	Mercuric Oxide	Merck	50ml
43.	Ferrous Sulphate Solution	Merck	50ml
44.	Ninehydrin Solution	Merck	50ml
45.	HgCl ₂ Solution	Merck	50ml
46.	Mercury	Merck	100ml
47.	Methanol	Merck	500ml
48.		Merck	

OTHERS

Sl. No.	Item	Quantity
1.	Test Tube rack	20pcs.
2.	Scissor(large)	2pcs
3.	Hand gloves	5 pairs
4.	Graph Paper	1pcs
5.	Calculator	1pcs.
6.	Sticker	5pkt
7.	Marker Pen	5pcs
8.	Blotting Paper	2 bundle
9.	Cotton Absorbent	2 bundle
10.	SPIRIT LAMP	5pcs
11.	Staining Rack	2
12.	Filter paper	2 bundle
13.	Burette Stand with clamp	10pcs.
14.	Sealing Wax	
15.	Thermometer	1pc
16.	Tripod Stand	5pcs
17.	Measuring Tape	1pc
18.	Plastic Tray	20pcs

SPECIMEN SAMPLE

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| <ol style="list-style-type: none"> 1. <i>Anabaena</i> 2. <i>Oedogonium</i> 3. <i>Chara</i> 4. <i>Vaucheria</i> 5. <i>Ectocarpus</i> 6. <i>Polysiphonia</i> 7. <i>Volvox</i> | <ol style="list-style-type: none"> 8. <i>Oedogonium,</i> 9. <i>Mucor,</i> 10. <i>Penicillium,</i> 11. <i>Agaricus,</i> 12. <i>Rhizopus,</i> 13. <i>Penicillium,</i> 14. <i>Ascobolus,</i> 15. <i>Agaricus.</i> |
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16. *Riccia*,
17. *Funaria* with mature capsule,
18. *Marchantia*,
19. *Anthoceros* with sporophyte,
20. *Lycopodium* with stobilus,
21. *Selaginella* with sporangia,
22. *Equisetum*,
23. *Marsilea*.
24. *Selaginella*
25. *Pteris* with cenosorus.
26. Stems of *Cucurbita*,
27. Stems of *Dracaena*,
28. Stems of *Bignonia*,
29. Stems of *Boerhaavia*,
30. Stems of *Tecoma*,
31. Stems of Sunflower,
32. Stems of Maize,
33. Stems of *Cucurbita*.
34. Leaves of *Bambusa* ,
35. Leaves of *Nerium* ,
36. Leaves of *Bambusa*.
37. Roots of *Vanda* ,
38. Roots of *Tinospora*,
39. Roots of *Gram*,
40. Roots of *Arum*,
41. Roots of *Orchid*.
42. Powder of *Alstonia* bark,
43. Powder of *Adhatoda* leaf,
44. Powder of *Strychnos* seed
45. Powder of *Zinziber* rhizome

PERMANENT SLIDE

Algae:

1. *Anabaena*,
2. *Oedogonium*,
3. *Chara*,
4. *Vaucheria*,
5. *Ectocarpus*,
6. *Polysiphonia*.

Fungi:

1. *Rhizopus*,
2. *Penicillium*,
3. *Ascobolus*,
4. *Agaricus*,
5. *Polyporus*.

Bryophyta:

1. *Riccia*,
2. *Marchantia*,
3. *Anthoceros*,

4. *Funaria*

Pteridophyta:

1. *Lycopodium*,
2. *Selaginella*,
3. *Equisetum*,
4. *Marsilea*,
5. *Pteris*.

Gymnosperm:

1. *Cycas* - Male cone and microsporophyll, megasporophyll, T.S. of leaflet,
2. *Pinus* - T.S. needle, male cone, female cone, stem (T.S., T.L.S. & R.L.S.)
3. *Gnetum* - L.S. of ovule.

CHART

1. Normal Secondary Growth in dicot stem
2. Structure of a ideal bacterial cell
3. T.S. of Gram root
4. T.S. of Maize stem
5. T.S. of Bambusa leaf
6. Floral Diagram &floral formula
7. Development of a typical normal(8 nucleated) embryo sac.
8. Post fertilization changes in Capsella sp
9. T.S. of thallus Riccia sp
- 10.L.S. of Anthoceros sporophyte
- 11.L.S. of Funaria capsule
- 12.L.S. of Selaginella strobilus
- 13.T.S. of Pteris leaf with sorus
- 14.L.S. of Ovule in Cycas sp
- 15.L.S. of Ovule in Gnetum sp
- 16.Life cycle of Gymnosperm