

9. Technical Specification of items

DEPARTMENT OF CHEMISTRY

A	CHEMICALS	B	APPRATUS & GLASSWARES
1	Sod. Carbonate	1	Refrigerator for chemicals
2	Pot. Carbonate	2	Electrical apparatus for distilled water
3	Sod. Bicarbonate	3	Megnatic Stirrer (REMI)
4	Pot. Bicarbonate	4	Small Megnates
5	Sod. Hydroxide	5	Cupper Foil
6	Sod. Cloride	6	Nicrom wire
7	Pot. Cloride	7	Weregauze
8	Ferous Solphate	8	Filter paper (Ordinary)
9	Ferric Cloride	9	Tongue
10	Pot. Dichromate	10	Watch glass
12	Pot. Permanganate	11	Blow pipe
13	Sod. Oxalate	12	Capllary tube
14	Amonium Cloride	13	Pyknometer
15	Cupper Solphate	14	Rubber tube
16	Cupper Carbonate	15	Specific gravety water bottles
17	Sod. Thiosolphate		
18	Pot. Iodiate		
19	Iodin		
20	Hydro Chloric acid (Conc)		
21	Solphuric acid (conc)		
22	Nickel Carbonate		
23	Silver Niotrate		
24	Iron Oxide		
25	Oxalic acid		
26	Die Phenyl amine		
27	Anthranillic acid		
28	Ethanel		
29	Mithnel		
30	Glucose		
31	Fructose		
32	Sucrose		
33	Acetic acid		
34	Formic acid		
35	Benjoic acid		
36	Sodium acetiate		
37	Phenol		
38	O-Nitro Phenol		
39	P- Nitro Phenol		
40	O- Amino Phenol		
41	P- Amino Phenol		
42	Formaldehyde		
43	Acetaldehyde		
44	Benjaldehyde		
45	Acetone		
46	Acetylchloride		
47	Aniline		

48	toluydine
49	Anisidine
50	Napthol
51	Vanilin
52	Salicyclic acid
53	Resorconal
54	Cresol
55	Cyclohexane
56	Methyl acetate
57	Ethyl acetate
58	Activate Charcoal
59	Die methylglyoxime
60	Oxine
61	Acetamide
62	Benzamide
63	EDTA
64	Acrylic acid
65	Uria
66	Ciannamic acid
67	Styrene
68	Methyl Methacrylate
69	Methyl acrylate
70	Benzoyl Peroxide
71	Isophthaloyl chloride
72	Acrylamide
73	Acrylonitrile
74	Acetic anahydride
75	Pottasium Solphate
76	Aluminium Solphate
77	Sodium Solphate
78	Ciupper Chloride
79	Bromin water
80	Chlorin solution
81	Fehling solution- A
82	Fehling solution- B
83	Tollen regence
84	Chromatography paper (Whatman) no- 40
85	Boric acid
86	Succinic acid
87	Carbon Tetrachloride

DEPARTMENT OF PHYSICS

A	EQUIPMENTS
1	Digital Multimeter
2	Function generator
3	Calorimeter for J
4	Thermocouple
5	IC -7432,7486,7400,7408,7404,7402,7411
6	De' Sauty's bridge apparatus
7	Photo detector
8	Tunnel diode
9	Zener diode
10	Slit for diffraction
11	Quinck's Tube
12	Four Probe kit
13	Spot reflecting galvanometer
14	Bipolar Junction Transistor
15	4 bit adder subtractor using full adder IC
16	Wollaston's air film
17	Refractive index by Gaussian Eyepiece
18	Stefan's law verification apparatus
19	Photo electric effect apparatus
20	Planck constant using LED
21	JK master flip-flop using flip-flop IC
22	e/m by Bar magnet
23	Millikan oil drop apparatus
24	Power supply
25	Electron spin resonance
26	Zeeman effect
27	Work function of Vacuum diode
28	Ionization potential of mercury
29	Astable multivibrator by 555 timer
30	Monostable multivibrator by 555 timer
31	Babinet Compensator
32	Coupling Coefficient of a Piezoelectric Crystal
33	Magnetic Susceptibility of solid
34	Dielectric constant measurement
35	BH curve
36	Surface Plasmon resonance

DEPARTMENT OF ZOOLOGY

A	EQUIIPMENTS	B	GLASSWARES	C	PERMANENT SLIDES	D	CHEMICALS
1	Students bionocular Michroscope (OLYMPUS)	1	Funnel	1	Life stages of : Plasmodium vivax	1	Conc.Nitric acid
2	Sahils Hemoglobino meter	2	Petridish		:Trypanosoma gambiense	2	Conc. Sulphuric acid
3	Heamocytometer	3	Pipette- 10ml,5ml,2ml		:Entamoeba histolytica	3	Conc. Hydrochloric acid
4	Dissection box	4	Burette- 50ml		:Fascida hepatica	4	Formal Dehide
5	Spirit lamps	5	Glassjar- 500ml,200ml,100ml,50 ml		:Taenia solium	5	Mythanal
		6	Burette stand	2	T.S. Through Phartix of earthworm	6	Ethanal
		7	Conical flask		T.S. Through gizzard of Earthworm	7	Fehling Solution
		8	Testtube		T.S. Through Typhlosolar intestine of earthworm	8	Benedict's reagent
		9	Testtube holder	3	Section of mommation oesophaus	9	Pot. Hydroxide
		10	Testtube stand		T.S of Stomach	10	Xylene
		11	Beakers- 20ml,10ml		T.S of duoderum	11	Assuitic acid
		12	Mortar and Pestle		T.S of ileum	12	Sodium Hydroxide

13	Dissection tray	T.S of nectum	13	Glucose
		T.S of lever	14	Fructose
		T.S of lung	15	Carnay's fluid
4		Specules of herdmania	16	DPX/ Canada balsam
5		Sections of amphioxus through pharyngeal region	17	Hayem's Diluting fluid
		T.S of Amphioxus through intestine region	18	Antisera A,B
		T.S of Amphioxus through Coudal region	19	Amonium Solphate
6		Sections of balanoglossus through proboscis region	20	Phenol
		Branchiogenital regions	21	Arginine
7		Sections of mammalian- Skin, Cartilage, Bone, Spinal Cord	22	Cystine
8		Slides of Placoid Scale	23	Citrulline
		Slides of Cycloid Scale	24	Glycine
		Slides of Ctenoid Scale	25	Picric acid
			26	Chloroform
			27	Albumin
			28	Iodin solution
			29	Glycerine
			30	Amonium Cholride

E	SPECIMENS
1	Sycon, Hyalomema, Euplectilla,-Porifera
2	Obelia, Physalia, Aurelia, Gorgonia - Cnidaria
3	Hydra
4	Aproditae, nereis, Heteronereis, Tenebrionidae, Hirudirania,- Annelida
5	Limulus, Palaemon, Scudina, Eupagurus, silkworm caterpillar, Daphnia - Arthropoda
6	Chiton, Dentalium, Pecten, Unio, Lolligo, Octopus-Mollusca
7	Asterias, Echinus, Cucumaria, Antedon, Pentaceros-Echinodermata
8	Pristigaster, Trygon, Torpedo, Hippocampus, Exocoetidae, Echinoptera, Anguilla, Tetraodon, Diodon, Anabas- Fishes
9	Hyla, Alytes, Salamandra, Ichthyophis- Amphibia
10	Chelone, Varanus, Chamaeleon, Draco, Vipera, Naja, Crocodylus, Hemidactylus, Uromastix-Reptiles
11	Koel, Crow, Parrot, Pigeon-birds (Mammals)
12	Bat (Insectivorous and frugivorous)

DEPARTMENT OF ANTHROPOLOGY

A	EQUIPMENTS	B	CHEMICALS	C	Material	D	CHART	
1	Mandibulometer	1	Rectified spirit	1	Cotton	1	Nutritional Assessment Chart (WHO)	
2	Goniometer (Mollison)	2	Distilled water	2	Pricking Needles	2	Body mass Index chart (BMI)	
3	Skinfold caliper (Harp endent type)	3	N/10 HCL	3	Slides	3	Distribution of Indian tribe	
4	Blood pressure machine (Sphygmomanometer with ached stethoscope)	4	Antisera A,B, & D	4	Beaker - 50ml,100ml,500ml - Borosil	4	Anatomical human body chart	
5	Stethoscope			5	Wash bottle - 500 ml -Borosil	5	Morphological human body	
6	Weighing machine			6	Measuring cylinders - 25ml, 100ml ,1000ml	6	Cell	
7	Sliding Caliper (0- 200 mm, Martins)			7	Powder gloves	7	Cell division	
8	Spreading Caliper (with rounded end)			8		8	Pedagogy & Genology chart	
9	Finger and palm printing pad (Complete set)							
10	Ishihara colour blindness chart(Indian made)							
11	Eye colour chart							
12	Anthropometer rod							
13	Osteometric board							

E	ARCHAEOLOGICAL ANTHROPOLOGY	F	ORIGINAL/MODELS
----------	------------------------------------	----------	------------------------

1	Chopper	1	Human Skeleton Model (adult) full size.
2	Chopping	2	Adult skull (original) mare, Female
3	Handaxe	3	Femure Left/Right
4	Cleauer	4	Radius Left/Right
5	Scraper	5	Ulna Left/Right
6	Adze	6	Tibia Left/Right
7	Axe	7	Fibula Left/Right
8	Ringstone	8	Humerus Left/Right
9	Chisel	9	Clanicle Left/Right
10	Celt	10	Scapula Left/Right
11	Blade	11	Pelvic bones
12	Burin	12	Spinal cord fragments
13	Microliths	13	Mandible
14	Net (Fishnet)	14	Infant skull
15	Bow (Wooden Tools)		
16	Fish Hook (Metal tools)		
17	Wooden Measurement Pol		
18	Boomerang (Wooden tools)		

DEPARTMENT OF BOTANY

A	EUIPMENTS	B	APPARATUS & GLASSWARE	C	CHEMICALS	D	PERMANENT SLIDE
1	Studentss Michroschope	1	Micro Pipettes- Voume range- 0.5 ml-10 ml	1	Pot. Iodide	1	Nostuc
2	Inoculating needle	2	Testtube	2	Ethyl alcohol	2	Chlamydomonus
3	Sprit lamp - 10 Nos	3	Measuring cylender -10 ml, 50 ml,100 ml,500ml,1000ml	3	Acetone	3	Volvox
4	Anemometer	4	Pipetttes - 5ml,, 10 ml	4	Sarfranin	4	Oedogonium
5	Psychrometer	5	Beakers - 250 ml, 500 ml	5	Methyn Violet	5	Coleochaste
6	Hygrometer	6	Petridishes with cover-50mm, 100mm,125mm,150mm	6	Malachit green	6	Fucus
7	Rain gauge	7	Conical Flask -100 ml, 250ml, 500ml	7	Ethylene Oxide	7	Chara
8	Lux meter	8	Burette -25ml, 50ml, 100ml	8	Agra agar	8	Vaucheria
9	Soil thermometer	9	Dropping bottle -30ml, 60ml,125ml	9	Hydrochloric acid	9	Polysiphonia
10	Digital thermometer	10	Reagent bottle - 100 ml, 250 ml, 500 ml(Narrow mouth)	10	Sod. Hydroxide	10	Oscillatoria
		11	Wash bottle -125ml, 250 ml, 500ml	11	Beef aextract	11	Bacteria- Binary fission
		12	Gas jar with lid (50 x 150)mm	12	Pepton	12	Bacteria -Endospore
		13	Retort stand	13	Amonium Hypophosphate	13	Bacteria -Conjugation
		14	Fisher clamp - Single & Double	14	Mag. Chloride	14	Bacteira - Strcture
		15	Funnel -50mm,75 mm,100mm, 150mm	15	Ferrous chloride	15	Mitosis- All Slides
		16	Volumetric flask with cap -25ml, 50ml,100ml,250ml,500ml	16	Mag. Solphate	16	Meioses- All Slides
		17	Testtube stand	17	Glycerine	17	Rhizopus
		18	Pipette stand	18	Acetic acid	18	Aspergillus
		19	Spatula	19	Chloroform	19	Penicillium
				20	Feulgen stain	20	Alternaria

21	Acetocarmine	21	Albugo
22	Alfa-naftol	22	Lechens
23	Con. Sulphuric acid	23	Anthoceros
24	Fehling solution	24	Pellia
25	Ninhydrin solution	25	Porella
26	Copper Solphate	26	Sphagnum
27	Sudan-III (Stain)	27	Funaria
28	Tri chlorathilne	28	Psilotum
29	Brutile alcohol	29	Selaginella
30	Anthrone	30	Equisteum
31	Led Acetate	31	Pteris
32	Ether	32	Cycas
33	Sod. Acetate	33	Pinus
34	Starch powder	34	Gentum
35	Dinitro Salicyclic acid	35	Parenchyma
36	Perchloric acid	36	Collonchyma
37	Pot. Hydroxide	37	Sclerenchyma
38	Trichloroacetic acid	38	Xylem
39	Hematoxylin	39	Phloem
40	Light green SF	40	Moncot Root & Dicot Root
41	Fust green SF	41	Monocot stem & Dicot Stem
42	Xylene	42	Moncot Leaf & Dicot Leaf
43	Benzene	43	Adaptive Anatomy- Hydrophyde plant
44	Dioxal	44	Adaptive Anatomy- Xexophyte plant
		45	Adaptive Anatomy - Mesophyte Plant
		46	Isobilateral leaf
		47	Dorsiventral leaf
		48	Cy leaves (KrimZ Anatomy)
		49	Apical meristem of Root
		50	Apical meristem of shoot
		51	cerelas- Chart
		52	Legumes- Chart

53	Spice- Chart
54	Beverage- Chart
55	Oil yielding plants- Chart
56	Drug yielding Plant- Chart
57	Fiber Yield plants -Chart
58	Mitosis - Chart
59	Meiosis Plant- Chart
60	Anatomy Chart- Hydrophyte
61	Anatomy Chart- Xerophyte
62	Anatomy Chart- Mesophyte
63	DNA Replication Chart
64	Protein Synthesis- Transcription Chart
65	Protein Synthesis- Translation Chart
66	Mendel's monohybrid cross -Chart
67	Mendel's Dihybrid Cross- Chart
68	Permanent Slides - Translocation Ring
69	Permanent Slides- Laggards
70	Permanent Slides- Inversion Bridge
71	Prokaryotic RNA Polymerase Chart
72	Eukaryotic RNA polymerase chart
73	Splicing mechanism chart
74	Assembly of spliceosome machinery
75	Morphological Adaptation of plants chart

76	Morphological adaptation xerophyte chart
77	Angiospermic families- Dicotyledon & monocotyledon chart
78	Anther Permanent Slide
79	Pollen grain- Permanent slide
80	Ovule- Permanent slide
81	Dicot Embryo- permanent slide
82	Monocot Embryo- permanent slide
83	Endothelium Permanent slide
84	Obturator- Permanent slide
85	Hypostase- Permanent slide
86	Caruncle - Permanent slide
87	Aril- Permanent slide
88	Seed Germination- Chart
89	Plant photosynthesis- chart(C3,C4,CAM,Photorespiration)
90	Respiration- Chart
91	Plant Growth- Chart
92	Water Absorption- Chart