

**MIDNAPORE COLLEGE (AUTONOMOUS)
MIDNAPORE**

TENDER NOTICE

Ref. No.- 281/MC/TENDER/22

DATE :- 19.09.2022

Rate quotations (including all taxes) in sealed envelope are invited from authorised Contractors/ Suppliers/Concerns/Agencies only who have Credential, Trade Licence, Pan Card & GST registration and requisite credentials within 26.09.2022 at 2.00 pm for following articles.

Tender:-

- 1) Rate quotation for departmental requisition Instruments, Chemicals & Consumables for the Dept of Chemistry, Computer Science, Microbiology, Nutrition, Physiology & Zoology (details will be available from the College website: www.midnaporecollege.ac.in),

Quotation may be submitted within specified date and time positively on working days from 11.00 a.m. to 4.00 p.m. in the Office Chamber of the Principal. However, quotations be submitted for each departments separately.

The date of opening of tenders 27.09.2022 at 11.30 AM. Bidders may remain present during that period. The authority reserves the right to cancel the order / refuse the item / articles, in case any variation is found from the original terms and conditions.

Further details of items may be had from the Office of the Undersigned in all working days in working hours.

Sd/-
Principal
Midnapore College (Autonomous)
Midnapore

Department of Chemistry

SL. No.	Item Name
1	Digital Potentiometer (Systronics) type 318
2	Digital Conductivity Meter (Systronics) type 304
3	Digital PH meter (Systronics) type 335
4	Digital Photoelectric Colorimeter with 8filters (Systronics) type 112
5	Ag Electrode
6	Conductivity Cell (Systronic) Model - 304
7	Calomel Electrode - Systronics
8	Stalagometer set of 3 Borosilicate
11	Viscometer, Borosil
12	Digital Lab Tehrmometer
13	Ph Meter
14	Silver Electrode
15	Platinum electrode
16	Glass Electrode

MIDNAPORE COLLEGE (AUTONOMOUS)

DEPARTMENT OF CHEMISTRY (PG)

SI No	Name of Chemical (2nd Phase)	Make	WT. Taken
1	Sodium sulfite	<i>HiMedia/Loba/Merk/Nice/Labogens</i>	500 g
2	Dimethylglyoxime	<i>HiMedia/Loba/Merk/Nice/APL</i>	500 g
3	Sodium Hydroxide	<i>HiMedia/Loba/Merk/Nice</i>	500 g
4	Nickel(II) sulfate (NiSO ₄ .7H ₂ O)	<i>HiMedia/Loba/Merk/Nice/ Labogens</i>	500 g
5	Potassium Permanganate	<i>HiMedia/Loba/Merk/Nice</i>	500 g
6	Syrupy Phosphoric acid	<i>HiMedia/Loba/Merk/Nice</i>	2.5 L
7	Bromophenol blue indicator	<i>HiMedia/Loba/Merk/Nice</i>	25 g
8	Barium Chloride	<i>HiMedia/Loba/Merk/Nice</i>	500 g
9	Sulfurous acid (H ₂ SO ₃)	<i>HiMedia/Loba/Merk/Nice</i>	500 mL
10	Conc. HCl	<i>HiMedia/Loba/Merk/Nice</i>	2.5 L
11	Chromium Sulphate	<i>HiMedia/Loba/Merk/Nice</i>	500 g
12	Potassium Dichromate	<i>HiMedia/Loba/Merk/Nice</i>	500 g
13	Sodium bismuthate	<i>HiMedia/Loba/Merk/Nice</i>	100 g
14	Potassium Bromate	<i>HiMedia/Loba/Merk/Nice</i>	250 g
15	Copper sulphate (CuSO ₄ .5H ₂ O)	<i>HiMedia/Loba/Merk/Nice</i>	500 g
16	Potassium sulphate	<i>HiMedia/Loba/Merk/Nice</i>	500 g
17	Pyrolusite	<i>HiMedia/Loba/Merk/Nice</i>	500 g
18	Zinc acetate	<i>HiMedia/Loba/Merk/Nice</i>	500 g
19	EDTA	<i>HiMedia/Loba/Merk/Nice</i>	100 g
20	Glacial Acetic acid	<i>HiMedia/Loba/Merk/Nice</i>	500 mL
21	Ammonium Thiocyanate	<i>HiMedia/Loba/Merk/Nice</i>	500 g
22	Ethanol	<i>HiMedia/Loba/Merk/Nice</i>	500 mL
23	Urea	<i>HiMedia/Loba/Merk/Nice</i>	500 g
24	Whatman filter paper – 41	<i>HiMedia/Loba/Merk/Nice</i>	1 pkt
25	Hydroxylamine hydrochloride	<i>HiMedia/Loba/Merk/Nice</i>	100 g
26	Ammonium chloride	<i>HiMedia/Loba/Merk/Nice</i>	500 g
27	Ammonium dichromate	<i>HiMedia/Loba/Merk/Nice</i>	500 g
28	Acetylacetone	<i>HiMedia/Loba/Merk/Nice/ISOCHEM</i>	500 mL
29	Aluminium Sulphate	<i>HiMedia/Loba/Merk/Nice/Labogens</i>	500 g
30	Oxine	<i>HiMedia/Loba/Merk/Nice/</i>	250 g
31	BSA	<i>HiMedia/Loba/Merk/Nice</i>	100 g
32	Methylpropiolate (98%) Cas No. 922-67-8	<i>Spectrochem</i>	5 g
33	Trybutyltin Hydride -97% Cas No. 688-73-3	<i>Spectrochem</i>	5 g

34	Ethylcyanoacetate Cas. No. 118-93-4	<i>Spectrochem</i>	500 g
35	2-Hydroxyacetophenone Cas No 105-56-6	<i>Spectrochem</i>	250 g
36	4-Chlorobenzaldehyde	Sigma Aldrich	50g
37	4-Bromobenzaldehyde	Sigma Aldrich	10g
38	3-nitro Benzaldehyde	Sigma Aldrich	5g
39	5-Bromo-2-methoxybenzaldehyde	Sigma Aldrich	25g
40	3-Bromobenzaldehyde	Sigma Aldrich	25g
41	2-Methoxybenzaldehyde	Sigma Aldrich	100g
42	4-Bromo-2-fluorobenzaldehyde	Sigma Aldrich	5g
43	Thiourea	Sigma Aldrich	50g
44	Methanol	<i>HiMedia/Loba/Merk/Nice</i>	2.5L
45	DMF	<i>HiMedia/Loba/Merk/Nice</i>	500 ML
46	DCM	<i>HiMedia/Loba/Merk/Nice</i>	2.5 L
47	Aniline	<i>HiMedia/Loba/Merk/Nice</i>	500 ML
48	Phelyne diamine	<i>HiMedia/Loba/Merk/Nice</i>	50g
49	Ethylene Glycol	<i>HiMedia/Loba/Merk/Nice</i>	500 ML
50	<u>1,4-Bis(trimethylsilyl)benzene</u>	Sigma Aldrich	5 GM
51	α -Naphthylamine	<i>HiMedia/Loba/Merk/Nice</i>	100 GM
52	Zinc powder	<i>HiMedia/Loba/Merk/Nice/THERMO</i>	500 GM
53	Calcium chloride	<i>HiMedia/Loba/Merk/Nice/THERMO</i>	500 GM
54	Sodium nitrite	<i>HiMedia/Loba/Merk/Nice/THERMO</i>	500 GM
55	Sodium azide	<i>HiMedia/Loba/Merk/Nice/THERMO</i>	100 GM
56	Potassium carbonate	<i>HiMedia/Loba/Merk/Nice/THERMO</i>	500 GM
57	Sodium ascorbate	<i>HiMedia/Loba/Merk/Nice/THERMO</i>	500 GM
58	Copper sulfate pentahydrate	<i>HiMedia/Loba/Merk/Nice/THERMO</i>	500 GM
59	Triethylamine	<i>HiMedia/Loba/Merk/Nice/THERMO</i>	500 GM
60	Tetrahydrofuran	<i>HiMedia/Loba/Merk/Nice/THERMO</i>	500 ML
61	magnesium sulfate anhydrous	<i>HiMedia/Loba/Merk/Nice/THERMO</i>	500 GM

Midnapore College (Autonomous)**Department of Chemistry****Chemical List (UG)**

Sr. No	Chemicals Name	Make	Quantity
1	Sodium carbonate	Nice/Loba/Merck/Himedia/Qualizen	500 gm
2	Methyl Orange	Nice/Loba/Merck/Himedia/Qualizen	500 gm
3	Detergent	Nice/Loba/Merck/Himedia/Qualizen	1 kg
4	Potassium permanganate	Nice/Loba/Merck/Himedia/Qualizen	500 gm
5	Oxalic acid	Nice/Loba/Merck/Himedia/Qualizen	500 gm
6	Mohr's Salt	Nice/Loba/Merck/Himedia/Qualizen	500 gm
7	Phosphoric Acid	Nice/Loba/Merck/Himedia/Qualizen	2.5 lit
8	Barium diphenylamine sulfonate	Nice/Loba/Merck/Himedia/Qualizen	25 gm
9	Cupric Chloride	Nice/Loba/Merck/Himedia/Qualizen	500 gm
10	Sulfurous acid	Nice/Loba/Merck/Himedia/Qualizen	500 ml
11	Potassium Dichromate	Nice/Loba/Merck/Himedia/Qualizen	500 gm
12	Hydrochloric acid	Nice/Loba/Merck/Himedia/Qualizen	2.5 lit
13	Ammonium hydroxide	Nice/Loba/Merck/Himedia/Qualizen	2.5 lit
14	Acetic acid glacial	Nice/Loba/Merck/Himedia/Qualizen	500 ml
15	Ammonium Thiocyanate	Nice/Loba/Merck/Himedia/Qualizen	500 gm
16	Bleaching powder	Local market	500 gm
17	Copper turnings	Nice/Loba/Merck/Himedia/Qualizen	500 gm
18	Sulfuric acid	Nice/Loba/Merck/Himedia/Qualizen	2.5 lit
19	Whatmann filter paper-41	Nice/Loba/Merck/Himedia/Qualizen	1 pkt
20	Normal filter paper	Nice/Loba/Merck/Himedia/Qualizen	1 pkt
21	Manganese (II) chloride	Nice/Loba/Merck/Himedia/Qualizen	500 gm
22	Ethanol	Nice/Loba/Merck/Himedia/Qualizen	500 ml
23	Methanol	Nice/Loba/Merck/Himedia/Qualizen	500 ml
24	Potassium sulphate	Nice/Loba/Merck/Himedia/Qualizen	500 gm
25	Ammonium sulphate	Nice/Loba/Merck/Himedia/Qualizen	500 gm
26	Potassium hydroxide	Nice/Loba/Merck/Himedia/Qualizen	500 gm
27	Copper sulphate 5H ₂ O	Nice/Loba/Merck/Himedia/Qualizen	500 gm
28	Sodium sulfide	Nice/Loba/Merck/Himedia/Qualizen	500 gm
29	Nickel sulphate 6H ₂ O	Nice/Loba/Merck/Himedia/Qualizen	500 gm
30	Dimethylglyoxime	Nice/Loba/Merck/Himedia/Qualizen	100 gm
31	Ammonium nitrate	Nice/Loba/Merck/Himedia/Qualizen	100 gm
32	8-hydroxyquinoline	Nice/Loba/Merck/Himedia/Qualizen	100 gm
33	Ammonium acetate	Nice/Loba/Merck/Himedia/Qualizen	500 gm
34	Ammonium carbonate	Nice/Loba/Merck/Himedia/Qualizen	500 gm
35	Cobalt sulphate	Nice/Loba/Merck/Himedia/Qualizen	500 gm
36	Cobalt Nitrate	Nice/Loba/Merck/Himedia/Qualizen	500 gm
37	Ferric chloride	Nice/Loba/Merck/Himedia/Qualizen	500 gm
38	Potassium oxalate monohydrate	Nice/Loba/Merck/Himedia/Qualizen	500 gm
39	Barium sulphate	Nice/Loba/Merck/Himedia/Qualizen	500 gm
40	Strontium sulphate	Nice/Loba/Merck/Himedia/Qualizen	500 gm
41	Lead (II) sulphate	Nice/Loba/Merck/Himedia/Qualizen	500 gm
42	Calcium fluoride	Nice/Loba/Merck/Himedia/Qualizen	500 gm

Midnapore College (Autonomous)

Department of Chemistry

Chemical List (UG)

43	Ammonium oxide	Nice/Loba/Merck/Himedia/Qualizen	500 gm
44	Sodium sulfide	Nice/Loba/Merck/Himedia/Qualizen	500 gm
45	Magnesium carbonate	Nice/Loba/Merck/Himedia/Qualizen	500 gm
46	Potassium iodide	Nice/Loba/Merck/Himedia/Qualizen	500 gm
47	Sodium thiosulphate	Nice/Loba/Merck/Himedia/Qualizen	500 gm
48	Potassium chloride	Nice/Loba/Merck/Himedia/Qualizen	500 gm
49	Benzene	Nice/Loba/Merck/Himedia/Qualizen	500 ml
50	Carbon tetrachloride	Nice/Loba/Merck/Himedia/Qualizen	500 ml
51	Methyl acetate	Nice/Loba/Merck/Himedia/Qualizen	500 ml
52	Ethyl acetate	Nice/Loba/Merck/Himedia/Qualizen	500 ml
53	Activated charcoal	Nice/Loba/Merck/Himedia/Qualizen	500 gm
54	Iodine	Nice/Loba/Merck/Himedia/Qualizen	100 gm
55	Potassium persulfate	Nice/Loba/Merck/Himedia/Qualizen	500 gm
56	Starch	Nice/Loba/Merck/Himedia/Qualizen	500 gm
57	1,10-Phenanthroline	Nice/Loba/Merck/Himedia/Qualizen	500 gm
58	Sodium acetate	Nice/Loba/Merck/Himedia/Qualizen	500 gm
59	Bromocresol green	Nice/Loba/Merck/Himedia/Qualizen	5 gm
60	Methyl red	Nice/Loba/Merck/Himedia/Qualizen	25 gm
61	Sodium chloride	Nice/Loba/Merck/Himedia/Qualizen	500 gm
62	Ammonium chloride	Nice/Loba/Merck/Himedia/Qualizen	500 gm
63	Ferrous sulphate	Nice/Loba/Merck/Himedia/Qualizen	500 gm
64	Ferrous chloride	Nice/Loba/Merck/Himedia/Qualizen	500 gm
65	Conc. Nitric acid	Nice/Loba/Merck/Himedia/Qualizen	2.5 lit
66	Chloroform	Nice/Loba/Merck/Himedia/Qualizen	500 ml
67	Sodium bicarbonate	Nice/Loba/Merck/Himedia/Qualizen	500 gm
68	Sodium nitrite	Nice/Loba/Merck/Himedia/Qualizen	500 gm
69	Blue litmus paper	Nice/Loba/Merck/Himedia/Qualizen	1 pkt
70	Rectified spirit	Nice/Loba/Merck/Himedia/Qualizen	5 lit
71	Silver nitrate	Nice/Loba/Merck/Himedia/Qualizen	25 gm
72	2,4-Dinitrophenol	Nice/Loba/Merck/Himedia/Qualizen	100 gm
73	Copper acetate	Nice/Loba/Merck/Himedia/Qualizen	500 gm
74	Glycine	Nice/Loba/Merck/Himedia/Qualizen	500 ml
75	Formalin	Nice/Loba/Merck/Himedia/Qualizen	500 ml
76	Phenol	Nice/Loba/Merck/Himedia/Qualizen	500 gm
77	Dimethyl aniline	Nice/Loba/Merck/Himedia/Qualizen	500 ml
78	Succinic acid	Nice/Loba/Merck/Himedia/Qualizen	500 gm
79	Citric acid	Nice/Loba/Merck/Himedia/Qualizen	500 gm
80	Resorcinol	Nice/Loba/Merck/Himedia/Qualizen	100 gm
90	β -naphthol	Nice/Loba/Merck/Himedia/Qualizen	500 gm
91	Glucose	Nice/Loba/Merck/Himedia/Qualizen	500 gm
92	Fructose	Nice/Loba/Merck/Himedia/Qualizen	500 gm
93	Urea	Nice/Loba/Merck/Himedia/Qualizen	500 gm
94	Anthracene	Nice/Loba/Merck/Himedia/Qualizen	500 gm
95	m-Nitrophenol	Nice/Loba/Merck/Himedia/Qualizen	25 gm
96	Paraffin oil/silicon oil	Nice/Loba/Merck/Himedia/Qualizen	500 ml

Midnapore College (Autonomous)

Department of Chemistry

Chemical List (UG)

97	O-Toluidine	Nice/Loba/Merck/Himedia/Qualizen	500 ml
98	p-Toluidine	Nice/Loba/Merck/Himedia/Qualizen	500 ml
99	m-Toluidine	Nice/Loba/Merck/Himedia/Qualizen	500 ml
100	Vanillin	Nice/Loba/Merck/Himedia/Qualizen	100 gm
101	Acetyl chloride	Nice/Loba/Merck/Himedia/Qualizen	500 ml
102	Benzoyl chloride	Nice/Loba/Merck/Himedia/Qualizen	500 ml
103	p-Cresol	Nice/Loba/Merck/Himedia/Qualizen	500 ml
104	Potassium bromate	Nice/Loba/Merck/Himedia/Qualizen	500 gm
105	Potassium bromide	Nice/Loba/Merck/Himedia/Qualizen	500 gm
106	Ceric ammonium nitrate	Nice/Loba/Merck/Himedia/Qualizen	100 gm
107	m-Dinitrobenzene	Nice/Loba/Merck/Himedia/Qualizen	500 gm
108	p-Nitrobenzaldehyde	Nice/Loba/Merck/Himedia/Qualizen	500 gm
109	Ethyl methylketone	Nice/Loba/Merck/Himedia/Qualizen	100 gm
110	Cyclohexanone	Nice/Loba/Merck/Himedia/Qualizen	500 ml
111	Pthalic acid	Nice/Loba/Merck/Himedia/Qualizen	500 gm
112	Acrylic acid	Nice/Loba/Merck/Himedia/Qualizen	500 ml
113	Alanine	Nice/Loba/Merck/Himedia/Qualizen	100 gm
114	TLC plate	Nice/Loba/Merck/Himedia/Qualizen	1 pkt
115	Lizarin	Nice/Loba/Merck/Himedia/Qualizen	25 gm
116	Sodium bismuthate	Nice/Loba/Merck/Himedia/Qualizen	100 gm
117	Hydrogen peroxide	Nice/Loba/Merck/Himedia/Qualizen	100 ml
118	Rhodamine B	Nice/Loba/Merck/Himedia/Qualizen	100 gm
119	Diphenylamine	Nice/Loba/Merck/Himedia/Qualizen	100 gm
120	Ammonium molybdate	Nice/Loba/Merck/Himedia/Qualizen	500 gm

Midnapore College (Autonomous)

Dept. of Computer Science (H)

Requirement list

Item no.	Quantity	Description
1.	10 pcs	Microprocessor trainer kit(8085).
2.	10 pcs	P.C. (SSD-256 GB/4 GB Ram/windows 10).
3.	01 pcs	Projector.
4.	02 pcs	Collar Microphone.
5.	02 pcs	Laser pen.
6.	01 pcs	HP Laser Printer with Scanner.
7.	01 pcs	Laptop (SSD-512GB/8 GB Ram).

MICROBIOLOGY

Product Description		Qty
Tween 80 Extrapure	SRL	500ML
Tween 20 For Synthesis	Merck	500ML
Isoamyl Alcohol AR	SRL	500ML
2-Propanol	SRL	500ML
N-Butyl Alcohol AR	SRL	500ML
Ammonia Solution 25% AR	SRL	500ML
Protein Marker (20 - 220 KDa)	Biolit	1ML
DNA Marker 4: 0.5-10Kb	BioLit	50UG
100Bp DNA Ladder	SRL	50UG
Amino Acid Kit	SRL	1KIT
Ethyl Acetate Pure	SRL	500ML
Acetic Acid Glacial AR	SRL	500ML
Chloroform Extrapure	SRL	500ML
Hydrogen Peroxide 30%	Merck	500ML
Potassium Permanganate AR	SRL	500GM
Agar Powder	SRL	500GM
Nutrient Broth	SRL	500GM
Peptone For Bactro	SRL	500GM
Potato Dextrose Agar	Himedia	500GM
EMB Agar	Himedia	500GM

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Product Description		Qty
Ethanol 99% AR	China	500ML
Spirit	Local	5LIT
Non-Absorbent Cotton	Bengal	1POUND
Absorbent Cotton	Bengal	1POUND
Hydrochloric Acid	Merck	500ML
Sulphuric Acid	Merck	500ML
Formaldehyde Solution	Loba	500ML
Sodium Dihydrogen Phosphate	SRL	500GM
Beef Extract Ex	SRL	500GM
W.B.C Diluting Fluid	Stanbio	500ML
R.B.C Diluting Fluid	Stanbio	500ML
Leishman Solution	SRL	250ML
Sodium Citrate Tribasic	SRL	500GM
Anti-ABD	Span	3X10ML
Tryptone Soya Broth	SRL	500GM
Methyl Red	SRL	25GM
TEMED Extrapure AR	SRL	100ML
Ammonium Persulphate	SRL	25GM
Potassium Acetate AR	SRL	500GM
Phenol Crystalline AR	SRL	500GM

MICROBIOLOGY

Product Description	Qty
Sodium Acetate AR	SRL
Micro Pipette	Tarsons
Centrifuge Head	REMI
Sterile Cotton Swab	Himedia
HindIII (10U/L)	Biolit
BamHI (10U/L)	Biolit
EcoRI (10U/L)	Biolit
	500GM
	2-20UL
	1PCS
	1X500NO
	5000UNIT
	2500UNIT
	4000UNIT



Product Description	Qty
Midi Sub Electrophoresis Unit Tarsons	1SET
Electrophoresis Power Supply Unit Tarso	1NO
-20 Deep Freezer Blue St	284LITER

NUTRITION

Sl No.	Name of Equipments	Company Name
1.	Test tube	Borosil
		Local
		Borosil (10ml)
		Borosil (15ml)
		Borosil (25ml)
2.	Conical Flask(250ml)	Borosil
3.	Beaker (250ml)	Borosil
4.	Spirit lamp	
5.	Volumetric Flask(100 ml)	Borosil
6.	Burette stand	Tarson
7.	Reagent Bottle (100ml)	Borosil
8.	Blue litmus + Red litmus	
9.	Ph Paper	
10.	Capillary tube	
11.	Blotting paper	
12.	Tissue paper	
13.	Distilled water can(5 lit)	
14.	Knife (Big)	
15.	Chopping Board	
16.	Peeler	
17.	Hand blender	
18.	Non stick kadai (5lt)	
19.	Glass	Borosil

NUTRITION

Sl No.	Name of Instruments	Company Name & Specification
1	Gel Documentation System Verticle with power pack	(Brand Name-SSS) Super Scientific Suppliers, India
2	Sphygmomanometer (Clock)	Diamond,
3	Stethoscope	H.DAS, India
4	Digital Hand Grip Dynamometer	(Power 200 Lbs/90 Kgs) Apex Digital CAMRY, India
5	Micro Oven	(28Litre) LG, INDIA
6	Digital Spirometer	(Helios 401 Spirometer) RMS, India
7	Body composition analyser	Brand-Generic, India
8	UV Quartz cuvette	Shilpent, INDIA
9	Microwave safe utensils (Borosil glass baking dish-1.6 l.)	
10	Glucometer	Dr. Morepen BG-03 Glucometer (Grey, Black)

NUTRITION

Sl No.	Name of Reagents	Company Name
1.	Molisch's Reagent	Merck
2.	Millon's reagent	Merck
3.	Biuret Reagent	Merck
4.	Benedict's Quantitative reagent	Merck
5.	Benedict's Qualitative reagent	Merck
6.	Seliwanoff's reagent	Merck
7.	Iodine solution	Merck
8.	Bisacrylamide	SRL
9.	Nitroblue tetrazolium(NBT)	Merck
10.	Riboflavin	Merck
11.	Barfoed's Reagent	Merck
12.	Potassium permanganate	SRL
13.	FeCl ₃	SRL
14.	Ba (OH) ₂	Quali-tech
15.	ZnSO ₄	SRL
16.	Potassium ferricyanide - 99%	Merck
17.	APS-Ammonium per sulphate	Merck
18.	H ₂ O ₂	Merck
19.	Tris HCL	Himedia
20.	Tris buffer AR, MB 99.99%	SRL
21.	Glycine	SRL
22.	Anhydrous sodium carbonate	Merck
23.	Sodium Nitropruside Dihydrate pure, 98%	SRL
24.	Solid (NH ₄) ₂ SO ₄ LR	ACS Chemicals
25.	Blood Glucose Detection Kit (GOD-POD)	Oscar
26.	Cholesterol Kit	Oscar
27.	Triglyceride Kit	Sigma
28.	LDL Kit	Oscar
29.	HDL Kit	Becombigen
30.	Urea Kit	Biogenix
31.	TMED	Thermo Fisher Scientific
32.	Ethanol 99.99%	Labogens China

NUTRITION

33.	Uric Acid kit	Anamol	
34.	Creatinine kit	Oscar	
35.	ABO Blood group detection kit	Autospan	
36.	6x DNA gel loading dye	SRL	
37.	2,6 dichlorophenol indophenol	SRL	
38.	Amino naphtholsulphonic acid solution (ANSA)	SRL	
39.	Acrylamide	SRL	

Physiology (UG)

Sl. No	Name Of The Item	Quantity
1	Benedict's. Qualitative Reagent	500ml
2	Barfoed's Reagent	250ml
3	Seliwanoff's. Reagent	100ml
4	Millon's Reagent	100ml
5	Esbach's Reagent	100ml
6	Biuret Reagent	100ml
7	Peptone	100gm
8	Sucrose	100gm
9	Dextrin	500gm
10	Acetone	500ml
11	Bile Salt's	250gm
12	Cholesterol	25gm
13	Topfer's Reagent	125ml
14	Carbolic Acid	500ml
15	Albumin Powder(egg)	100gm
16	Copper Acetate	500gm,
17	Phenolphthalein	125ml
18	Lactic Acid	500ml
19	Uric Acid	25gm
20	Molybdic Acid	500gm
21	Phosphomolybdic Acid	500gm
22	TCA	500gm
23	Chloroform	500ML

Physiology (UG)

24	Gram's Iodine	125ml
25	Safranin	125ml
26	Lieshman's Stain	250ml.
27	Eosin(Alcoholic)	125ml
28	Hematoxylin (Delafield's) SRL	125ml
29	DPX	250ml
30	PAS (Fulgan) Solution	500ml
31	Xylol	500 ml
32	Methylene Blue Solution	125 ml
33	Bromophenol blue	5gm
34	Bromocresol green solution	5gm
35	Bromocresol purple	5gm
36	Phonol red solution	125ml
37	Cresol red	25gm
38	Thymol blue solution	125ml
39	Barium sulphate	500gm
40	Paraffin wax (Merck)	500g
41	ABO Blood grouping reagent	2
42	Tris Acetate-Edta (Tae) Buffer, Merck	1 litre
43	Ethidium Bromide, Merck	1 gm
44	Agarose, SRL	100 gm
45	Bacterial Genomic Dna Isolation Kit, Sigma-Aldrich	1 kit
46	Nutrient Broth, Himedia	500 gm
47	Mac Conkey Agar, Sigma-Aldrich	500 gm
48	Yeast Extract Peptone Dextrose Agar, Sigma-Aldrich	250 gm
49	Carbol Fuchsin, Sigma-Aldrich	100 ml
50	Nigrosin, Sigma-Aldrich	25 gm
51	Sodium Dodecyl Sulphate (Sds)	1 kg
52	Acrylamide, SRL	500 gm

Physiology (UG)

53	Bisacrylamide, SRL	100 gm
54	Tris Hcl, SRL	100 gm
55	Bromophenol Blue, SRL	5 gm
56	2-Mercaptoethanol, SRL	100 ml
57	Ammonium Persulphate, SRL	100 gm
58	Tetramethyl Ethylenediamine (Temed), SRL	100 ml
59	DNA LADDER (100 Bp), SRL	50 microgram
60	Plasmid Dna Isolation Kit	50 prep
61	Ampicillin Antibiotic Disc	10 microgram (100 discs)
62	Amoxycillin Antibiotic Disc	100 pieces
63	Glycerol	500 ml
64	Glycine	100 gm
65	Blood Agar	100 gm
66	Mannitol Salt Agar	500 gm
67	Reitman Frankel's Sgpt And Sgot Assay Kit	1 piece
68	Rbc Diluting Fluid (Hayem's)	5 ml
69	Haemotoxylin And Eosin Stain, SRL	5 gm
70	Dibutylphthalate Polystyrene Xylene (Dpx), SRL	250 ml

Physiology (UG)

Sl. No	Name of The Item
1	Beaker Borosil (R) 100ml
2	Beaker Poly Lab 250ml
3	Beaker Poly Lab 500ml
4	Beaker Poly Lab 1000ml
5	Measuring Cylinder Borosil (R) 25ml
6	Measuring Cylinder Borosil (R) 50ml
7	Measuring Cylinder Borosil (R) 100ml
8	Test Tube (Hard Glass)
9	Coplin Jar Tarsons
10	Volumetric Pipette Borosil (R) 5 ml
11	Volumetric Pipette Borosil (R) 10 ml
12	Auto pipette: 20 μ l
13	Auto pipette: 20-200 μ l
14	Auto pipette: 200-1000 μ l
15	Slide Box Tarsons 25 pcs
16	Slide Box Tarsons 50 pcs
17	Pasteur pipette
18	Pasteur pipette 's rubber cap
19	Cover slip (square) Blue Star
20	Drop Bottle (100 ml) Tarson
21	Fiber Tray (10 in)
22	Porcelain Tray staining
23	Glass made organ bath for Dale's apparatus
24	Glass made oxygen delivery tube for Dale's apparatus
25	Permanent slides (mammalian tissue) Tongue, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Large Intestine, Salivary Gland, Liver, Pancreas, Thyroid, Adrenal, Kidney, Testis, Ovary, Skin, Lymph Nodes, Lung, Trachea, Cerebellum, Cerebrum, Spinal Cord, Artery, Vein.
26	Paraffin section for staining with H&E Liver, Salivary Gland, Stomach, Duodenum, Jejunum, Ileum, Large Intestine, Thyroid, Pancreas, Adrenal, Kidney, Testis, Ovary, Cerebellum, Cerebrum, Spinal Cord

Physiology (PG)

Serial No.	Name of the items	Specification
1.	Beaker	1000ml, Ordinary
2.	Beaker	500ml, Ordinary
3.	Beaker	250ml, Ordinary
4.	Beaker	100ml, Ordinary
5.	Beaker	100ml, Ordinary
6.	Beaker	50ml, Ordinary
7.	Volumetric Pipette	1ml, Borosil
8.	Volumetric Pipette	2ml, Borosil
9.	Volumetric Pipette	5ml, Borosil
10.	Volumetric Pipette	10ml, Borosil
11.	Conical Flask	500ml, Borosil
12.	Conical Flask	250ml, Borosil
13.	Conical Flask	100ml, Borosil
14.	Conical Flask	50ml, Borosil
15.	Conical Flask	25ml, Borosil
16.	Reagent Bottle	100ml, Ordinary
17.	Reagent Bottle	250ml, Ordinary
18.	Glass Pasteur Pipette	15ml, Ordinary
19.	Drop Bottle	Tarsons
20.	Petridish	Borosil
21.	Microtips	1000 μ l, Tarsons
22.	Microtips	200 μ l, Tarsons
23.	Micropipette	20 μ l, Tarsons
24.	Micropipette	200 μ l, Tarsons
25.	Eppendorf	2ml, Tarsons

Physiology (PG)

SL. NO.	Name of The Item	Specification
1.	Alcohol	500ML, SRL
2.	Acetone	500ML, Merck
3.	Biuret Reagent	500ML, SRL
4.	Bromophenol Blue	125ML, Merck
5.	Barium Hydroxide	500GM, SRL
6.	Calcium Chloride	500GM, SRL
7.	Ammonium Molybdate	500GM, SRL
8.	Copper Sulphate	500GM, SRL
9.	Saffranine	125ML, Merck
10.	Crystal Violet	125ML, Merck
11.	Disodium Hydrogen Phospahte	500GM, SRL
12.	Diethyl Ether	500ML, SRL
13.	Eosin	125ML, Merck
14.	Formaldehyde	500ML, SRL
15.	Ferric Chloride	500GM, SRL
16.	Acetic Acid Glacial	500ML, SRL
17.	Giemsa Stain	125ML, Merck
18.	Haematoxylene	125ML, Merck
19.	Leishman Stain	125ML, Merck
20.	Methylene Blue	125ML, Merck
21.	Potassium Sodium Tartarate	500GM, SRL
22.	Potassium iodide	500 GM, SRL
23.	Potassium Chloride	500GM, SRL
24.	Periodic Acid	25GM, SRL
25.	Sodium Chloride	500GM, SRL
26.	Sodium Citrate	500GM, SRL
27.	Sodium Acetate	500GM, SRL
28.	Sodium Thiosulphate	500GM, SRL
29.	Sodium Carbonate	500GM, SRL
30.	Sodium Bicarbonate	500GM, SRL
31.	Sodium Dihydrogen Phosphate	500GM, SRL
32.	Sodium Hydroxide	500GM, SRL
33.	Tris Hcl	250GM, SRL
34.	3,5, Dnsa	25GM, SRL
35.	Xylene	500ML, SRL
36.	Ceder Wood Oil	25ML, SRL
37.	Immersion oil	SRL
38.	Toluidine Blue	SRL

39.	Oxalic Acid	500Gm, SRL
40.	Manganous sulphate	SRL
41.	Tris acetate EDTA buffer	1 Litre, SRL
42.	Ethidium bromide	SRL
43.	Agarose	25 Gm, SRL
44.	Bacterial genomic DNA isolation kit	50 Prep, SRL
45.	Carbol fuchsin	100 ml, SRL
46.	Nigrosin	25 Gm, SRL
47.	Ammonium persulphate	100 Gm, SRL
48.	Plasmid DNA isolation kit	50 Prep, SRL
49.	Ampicillin antibiotic disc	50 Disc, HIMEDIA
50.	Amoxycillin antibiotic disc	50 Disc, HIMEDIA
51.	Glycerol	500 ml, SRL
52.	Glycine	100 gm, SRL
53.	Blood agar	100 gm, HIMEDIA
54.	Mannitol salt agar	500 gm, HIMEDIA
55.	Reitman frankel's SGOT and SGPT assay kit	Any Indian
56.	RBC diluting fluid (Hayem's)	5 ml, SRL
57.	Hematoxylin and Eosin stain	5 gm, SRL
58.	Dibutylphthalate polystyrene xylene (DPX)	25 ml ,
59.	Potassium dihydrogen orthophosphate	500 gm, SRL
60.	Sodium acetate	500 GM, SRL
61.	Acetic acid	500 GM, SRL
62.	Sodium bicarbonate	500 GM, SRL
63.	Sodium carbonate	500 GM, SRL
64.	Sodium hydroxide	500 GM, SRL
65.	Blood glucose kit	Autospan
66.	Follin's reagent	100ml, SRL
67.	Blood lactate estimation kit	Autospan
68.	Urea kit	Autospan
69.	Cholesterol kit	Autospan
70.	Triglyceride kit	Autospan
71.	Bilirubin kit	Autospan
72.	Albumin kit	Autospan

73.	ALT kit	Autospan
74.	Uric acid kit	Autospan
75.	Pregnancy test kit	Local
76.	Amylase	100 gm, SRL
77.	Analytical starch	500 gm, SRL
78.	Orcinol	10 gm, SRL
79.	Diphenyl amine	100 gm, SRL
80.	Sephadex 25	SRL
81.	AST Kit	Autospan
82.	ACP kit	Autospan
83.	ALP kit	Autospan
84.	Eosin powder	100 gm, SRL
85.	Heparin	
86.	Acetylcholine powder	
87.	Soft paraffin	
88.	Oxytocin injection ampule	
89.	Adrenalin ampules	
90.	Paraffin	500 gm, Local
91.	Formaldehyde	500 ml, SRL
92.	Periodic acid	500 mg, Local
93.	Sciff's reagent	500 ml, SRL
94.	Sudan-III	25 gm, SRL
95.	Synthetic estrogen for exogenous injection	Any Indian
96.	Synthetic FSH for exogenous injection	Any Indian

Physiology (PG)

Sl No.	Name of The Item	Specification
1.	Anthropometric Rod	INCO
2.	Stethoscope	Doctors
3.	Extension cord	Local
4.	Microtip box	Local
5.	Capillary glass tube	0.25 mm, local
6.	Homogenizer	REMI
7.	Knife for microtomy	WEXWOX, Planar Concave
8.	Digital Sphygmomanometer	Omron HEM 7156, Omron, Japan
9.	Arm Sphygmomanometer Digital	Omron Smart Elite+ HEM 7600T Tubeless 360° Accurate, Omron, Japan
10.	Wrist Blood Pressure Monitor	Omron HEM 6161 Fully automatic Wrist Blood Pressure Monitor. Omron, Japan
11.	Sphygmomanometer aneroid type	Aneroid Type Manual Blood pressure monitor. EASYCARE - (Germany)
12.	Pulse oximeter	BPL Medical Technologies, India.
13.	Treadmill	Speed: 0~18 Kph. Motor : 2.5 HP Running Belt : 20 x 55""(500 x 1400mm) Display : 7"" LCD Display Incline : (-)3~15% Motor Incline. CMTM-AC-800 Treadmill, COSCO Fitness, India
14.	Seat and reach box	Baseline, USA
15.	Small Bone caliper	Cescorf Small Bone Anthropometer 24cm Aluminum, Cescorf, Brazil
16.	Large Bone caliper	Cescorf Large Bone Anthropometer with Case - Aluminum Sliding Caliper with 600mm Range Cescorf, Brazil
17.	Skin fold caliper	Skinfold Body Fat Caliper with Case and Anthropometric Tape Measure, Cescorf, Brazil

18.	Segmometer	Cescorf, Brazil
19.	Desktop Computer	Desktop Computer, HDD-1TB, RAM-8GB, Processor Type – i3/10, Windows 10, MS Office, Dell
20.	Air Quality Monitor	Portable with Color Graphic Display-PM 1/2.5/10, TVOC, HCHO Checker Temperature Humidity AQI tester

SI No.	Name of The Item	Specification
1.	Laptop	Desktop Computer, HDD-500SSB, RAM-8GB, Processor Type – i3/11G, Windows 10, MS Office, Dell
2.	LCD projector	Epson SVGA-3, EB-S41
3.	White board	Local
4.	Wireless laser presenter	Local

Zoology

A. List of Essential Chemicals/Consumables

sl	item	Manufacturer
1	Eosin powder/soln	Loba/Merck/Hi-media/Thermo-Fisher
2	Aceto-orcein	Loba/Merck/Hi-media/Nice/ACS chemicals
3	Aceto-carmine	Loba/Merck/Hi-media/Nice/ACS chemicals
4	Borax carmine	Loba/Merck/Hi-media/Nice/ACS chemicals
5	Leishman's Stain	Loba/Merck/Hi-media/Nice/ACS chemicals
6	Methylene Blue	Loba/Merck/Hi-media/Nice/ACS chemicals
7	Phenolphthelin	Loba/Merck/Hi-media
8	Ammonium persulphate (Molecular biology grade)	Sigma/Merck/Hi-media
9	Trypan Blue	Loba/Merck/Hi-media/Nice/ACS chemicals
10	Starch	Loba/Merck/Hi-media
11	Urease powder	Loba/Merck/Hi-media
12	BSA	Loba/Merck/Hi-media
13	Barfoed's reagent	Loba/Merck/Hi-media/Nice/ACS chemicals
14	Benedict's reagent	Loba/Merck/Hi-media/Nice/ACS chemicals
15	Fehling's A (qualitative)	Loba/Merck/Hi-media/Nice/ACS chemicals
16	Fehling's B (qualitative)	Loba/Merck/Hi-media/Nice/ACS chemicals
17	Millon's reagent	Loba/Merck/Hi-media/Nice/ACS chemicals
18	Molisch's reagent	Loba/Merck/Hi-media/Nice/ACS chemicals
19	Iodine Solution	Loba/Merck/Hi-media/Nice/ACS chemicals
20	Seliwanoff's reagent	Loba/Merck/Hi-media/Nice/ACS chemicals
21	Sodium carbonate	Loba/Merck/Hi-media
22	Sulphuric acid (H ₂ SO ₄)	Loba/Merck/Hi-media
23	Acetic acid	Loba/Merck/Hi-media
24	Sodium Hydroxide (NaOH)	Loba/Merck/Hi-media
25	Copper sulphate (CuSO ₄)	Loba/Merck/Hi-media
26	α-Nathphol	Loba/Merck/Hi-media
27	Sodium Hydrochlorite	Loba/Merck/Hi-media
28	Ethanol	Available quality brand
29	Rectified spirit	Available quality brand
30	WBC Diluting solution (Türk's solution)	Labogens/Loba/Merck/Hi-media/Nice/ACS
31	RBC Diluting solution	Labogens/Loba/Merck/Hi-media/Nice/ACS
32	MB Broth	Himedia/Merck
33	Buffer tablet (3 different pH) ~4,7,9	
34	α-amylase	Sigma/Merck/Hi-media
35	Paraffin for Histology	Loba/Merck/Hi-media
36	Paraffin for dissection tray	Local
37	Blood Grouping Kit	AutoSpan/Arkray
39	Phenol (Mol. bio. grade)	Loba/Merck/Hi-media
40	Cover Glass 22mm	Blue star/ Borocil/Riviera/Biostar
41	MicroSlides, ground edges (1mm)	Blue star/ Borocil/Riviera/Biostar
42	Test tube	Borocil
43	Test tube	Borocil
44	Test tube	Borocil
45	Test tube	Borocil
46	Test tube holders	

Sl	Item	Manufacturer
47	Test tube rack	
48	Tissue paper roll	
49	Filter paper (Whatman, grade-1)	
50	Aluminum foil	
51	Cotton (non-absorbent)	
52	Wire loop	
53	Coupling Jar for staining	Tarson/ Polylab
54	Specimen Jar Polysterene (transparent)	Tarson/ Polylab

B. List of Small Apparatus

Sl	Item	Make
1	Fine Balance Weighing Machine (0.001g) for chemicals	Quality Brands
2	Weighing Machine (0.01g) for chemicals	Quality Brands
3	Autoclave (Table top)	
4	Body Scale (Weighing) Electronic	
5	Height Measurement	Indo Surgical
6	Sphygmomanometer (Mercury)	Diamond BPMR120/ Elco
7	Secchi disk	
8	Haemocytometer	
9	Stethoscope	Elco/ Indo Surgical
10	Sahli's Haemometer	

C. List of Laboratory specimen

Sl	Specimen	Description	Vendor
1	Kidney	Stained Histological Section slide of Mammals	Biosco/Bio Internatio
2	Trachea		
3	Lungs		
4	Ileum		
5	Liver		
6	Stomach		
7	Duodenum		
8	Adrenal		
9	Nerve cell		
10	Spinal cord		
11	Skin		
12	Pituitary		
13	Thyroid		
14	Testes		
15	Ovary		
16	Esophagus		
17	Spleen		
18	Bones		
19	Cartilage		
20	Thymus		
21	Neurula of frog	Section	
22	Morula of frog	Section	
23	Serial sections of chick embryo	Section	
24	33 hrs. chick embryo	Whole mount	
25	36 hrs. chick embryo	Whole mount	
26	72 hrs. chick embryo	Whole mount	
27	T.S. through Pharynx, gizzard and intestine of Earthworm	Set of 3	

ZOOLOGY

Sl	Specimen	Description
28	Sections of Balanoglossus	
29	Chromosome Feulgen stain	cytology
30	Mitochondria Section	cytology
31	Barr Body	cytology
32	Mitosis full set	cytology
33	Meiosis full set	cytology
34	Gram positive Coccus	bacteria
35	Gram positive Bacillus	bacteria
36	Gram negative Coccus	bacteria
37	Gram negative Bacillus	bacteria
38	Ephyra larva	WM
39	Mullers Larva	WM
40	Sporocyst Larva	WM
41	Redia larva	WM
42	Ligula Larva	WM
43	Glochidium larva	WM

D. List of Museum specimen

SI	ITEMS	MANUFACTURER
1	<i>Tardigrade</i>	Biosco/Biostar/Adarsh International/Biocraft
2	Head louse	
3	Body louse	
4	Pubic louse	
5	Tick	
6	Mite	
7	<i>Plasmodium falciparum</i>	
8	<i>Leishmania</i>	
9	<i>Trypanosoma</i>	
10	<i>Wuchereria</i>	
11	<i>Entamoeba</i>	
12	<i>Noctiluca</i>	
13	<i>Euglena</i>	
14	<i>Amoeba</i>	
15	<i>Paramecium</i>	
16	Sycon T.S. & L.S.	
17	<i>Hyalonema</i>	
18	<i>Euplectella</i>	
19	<i>Millipora</i>	
20	Tubipora	
21	<i>Corallium</i>	
22	<i>Alcyonium</i>	
23	<i>Gorgonia</i>	
24	<i>Fungia</i>	
25	<i>Meandrina</i>	
26	<i>Madrepora</i>	
27	Cross section of Sea anemone	
28	Cross section of Ascaris	
29	<i>Heteronereis</i>	
30	<i>Sabella</i>	
31	<i>Serpula</i>	
32	<i>Chaetopterus</i>	
33	<i>Palamnaeus</i>	
34	<i>Palaemon</i>	
35	<i>Cancer</i>	
36	Life cycle of <i>Bombyx mori</i>	
37	Life cycle of House fly	
38	Life cycle of <i>Phlebotomus</i>	

SI	ITEMS	MANUFACTURER
39	<i>Xenopsylla cheopis</i>	
40	Life cycle of Honey bee	
41	Termite colony	
42	Dung beetle	
43	<i>Dentalium</i>	
44	<i>Doris</i>	
45	<i>Helix</i>	
46	<i>Ostrea</i>	
47	<i>Pinctata</i>	
48	<i>Nautilus</i>	
49	<i>Clypeaster</i>	
50	<i>Necturus</i>	
51	<i>Duttaphrynus</i>	
52	<i>Alytes</i>	
53	<i>Chelone</i>	
54	<i>Varanus</i>	
55	<i>Chameleon</i>	
56	<i>Ophiosaurus</i>	
57	<i>Bungarus</i>	
58	<i>Uromastix</i>	
59	<i>Phalacrocorax</i>	
60	<i>Upupa</i>	
61	<i>Bubo</i>	

E. Furniture etc for lab Set up

ITEM	SPECIFICATION
Working Table for Lab with storage racks	4 ft.* 7 ft.
Table with drawer	5 ft.* 3 ft
Wall Rack	Custom Size
Steel Almirah for Chemical Storage	7'x4'x1.5'
AC Machine for Lab at SN Bose building	Daikin/Hitachi/Carrier/mitsubishi Inverter; 5 star (2022), 1.5 Ton, dual compressor, Copper compressor and condenser, ISEER > 5.0