

**A.B.N. Seal College**  
**Department of Physiology**  
**Tender List - 2016-2017**

Date-16/01/2017

**I. Equipments**

Sl.No.	EQUIPMENTS	Rate per piece in (Rs.)
1.	Compound Microscope HB/HSA (Olympus Magnus)	1pc
2.	Compound Microscope (Ajay Make)	1pc
3.	Kymograph Set (INCO)	1pc
4.	Dales Apparatus (INCO/Others)	1pc
5.	Micro Pipette 200-1000ul (Tarson/Finepipette)	1pc
6.	Haemoglobinometer (Shalli)	1pc
7.	Laptop (HDD: 1TB, RAM: 4 GB, PROCESSOR:Core i5, LED Monitor, Screen size 15.5") , (Del/HP)	1pc
8.	Pneumograph Set with Tambour and stand (INCO)	1pc
9.	Perfusion Set (INCO/Local)	1pc
10.	Glucometer , ( Accuchek Active)	1pc
11.	Centrifuge (Remi)	1p
12.	Desktop computer set HDD- 1TB, RAM- 4 GB, Processor- Corei5; Monitor: LED, Screen size 21", UPS, with accessories (HP/Others)	1pc
13.	Stop Watch , Manual (Analogue) type, (Racer/Others)	1pc
14.	Weighing Machine ( Libra/Crown )	1pc
15.	Digital Pan Balance (0.001-20gm)/(0.1-200gm) (Atom/Keroy/Others)	1pc
16.	Sphygmomanometer( Mercury Type) (Diamond Deluxe)	1pc.
17.	Sphygmomanometer( Dial Type) (Diamond Deluxe)	1pc
18.	Refrigerator Double Door 255 lt. Frost Free Convertible type (Samsung)	1pc
19.	Water Purifier High Flow ( Acquaguard)	1pc
20.	UPS for Computer (Microteck)	1pc
21.	Digital Spectrophotometer, Model No104/105, (Systronics)	1pc
22.	Voltage Stabilizer (Automatic) , 0.5KW (Sen & Pandit/ Others)	1pc
23.	Colorimeter (ERMA, Japan)	1pc
24.	Electronic BP machine (Omron)	1pc
25.	Copier-Printer-Scanner (All-in-One) (Cannon / Other)	1pc
26.	Microtome with razor	1pc
27.	Stethoscope (Doctor/Diamond)	1 Pc
28.	Autoclave, Vertical, Inner Chamber SS, Outer chamber MS,22Lts capacity, (Shree Sati)	1pc
29.	Binocular Microscope, Model No.MLXB (Olympus)	1 pc
30.	Anthropometric measurement rod set (INCO)	1pc
31.	Haemocytometer, Neubauer, Silverline (Germany)	1pc
32.	Computer printer, HP Laser Jet	1pc

Contd.....2

33.	Projection Microscope ,Screen Size -8”	(COSMO)	1pc
34.	Chronometer	(INCO)	1pc
35.	Electrophoresis Apparatus with Power Pack	(Genie, Bangalore)	1pc
36.	Lux Meter ,	(Leutron)	1pc
37.	Hand Grip Dynamometer, Manual type	(INCO)	1pc
38.	Body Fat Monitor ,Model No.HBF-306	(OMRON)	1pc
39.	Compound Microscope	(Instavision)	1pc
40.	AC machine Split type 1.5 ton		1pc
41.	Distillation Plant, Stainless Steel make with Heater	(Indian)	1pc
42.	Bacteriological Incubator ,With thermostat	(Indian)	1pc
43.	Digital pH Meter , Portable		1pc
44.	Pulse Oxymeter	(Japan)	1pc
45.	Mosse’s Ergograph	(INCO)	1pc
46.	ECG Machine	(BPL)	1pc
47.	Bicycle Ergometer	(INCO)	1pc
48.	Spirometer	(INCO)	1pc
49.	Laminar Air flow set		1pc
50.	BOD Incubator		1pc
51.	Perimeter		1pc
52.	Audiometer		1pc
53.	Embedding Bath		1pc
54.	Vacumn Pump		1pc
55.	Digital Anthropometric Set		1pc
56.	UV Spectrophotometer		1pc
57.	LCD Projector	(SONY/Hitachi)	1pc
58.	Microcentrifuge with rotor head	(REMI)	1pc
59.	Olfactometer		1pc
60.	Mini Xerox machine		1pc
61.	Water Bath		1pc

## II. List of Chemicals and Reagents

SL NO.	NAME	RATE (Rs)
1.	Ammonium Chloride, BDH / MERCK	1X500 gm
2.	Ammonium Sulfate, BDH / MERCK	1X 500 gm
3.	Acetyl Choline chloride salt, BDH / MERCK	1X 25 gm
4.	Acetone, BDH/ MERCK	1X 500 ml
5.	Ammonium Thiocyanate, BDH / MERCK	1X 500 gm
6.	Benedict's Qualitative Reagent (STANBIO)	1X500 ml
7.	Canada Balsum BDH/ MERCK	1X 500 ml
8.	Brilliant Cresyl Blue, BDH / MERCK	1X 25 gm
9.	Benedict's Quantitative reagent, BDH/ STANBIO	1X 500 ml
10.	Barium Chloride, BDH / MERCK	1X 500 gm
11.	Calcium Chloride, MERCK/ BDH	1X 500gm
12.	Calcium Bicarbonate, MERCK/ BDH	1X 500 gm
13.	Calcium Carbonate, MERCK/ BDH	1X 500 gm
14.	Copper Sulfate, BDH/ MERCK	1X 500 gm
15.	DPX, MERCK	1X 250 ml
16.	Dextrine BDH/ MERCK	1X 500 gm
17.	Di Ethyl Ether BDH/ MERCK	1X 500 gm
18.	Ethyl Alcohol, MERCK/Chaina	1X 500 ml
19.	Egg albumin, Loba / MERCK	1X 500 gm
20.	Eosin yellow (solution), NICE	1X 125 ml
21.	Fructose, BDH/ MERCK	1X 500 gm
22.	Ferric ammonium sulfate, BDH/ MERCK	1X 500 gm
23.	Ferric Chloride, BDH/ MERCK	1X 500 gm
24.	Gelatin, BDH/ MERCK	1X 500 gm
25.	Haematoxylin solution (Harris), NICE	1X 125 ml
26.	Hydrochloric acid, BDH/ MERCK	1X 500 ml
27.	Haematoxylin powder, MERCK	1X 5 gm
28.	Iodine powder, BDH/ MERCK	1X 100 gm
29.	Litmus paper, blue	1 pkt
30.	Litmus paper, red	1 pkt
31.	Lugol's iodine, MERCK	1x 100 ml
32.	Leishman's stain, GLAXO/ QUALIGEN	1X 250 ml
33.	Magnesium chloride, BDH / MERCK	1X 500 gm
34.	Methanol MERCK	1X 500 ml
35.	Methylene Blue Powder, MERCK/ BDH	1X 25 gm
36.	Phospho tungstic acid, MERCK/ BDH	1X100 ml
37.	Potassium Chloride , MERCK/ BDH	1X 500 gm
38.	Potassium bisulfate, MERCK/ BDH	1X 500 gm
39.	Potassium hydrogen phosphate, MERCK/ BDH	1X 500 gm
40.	pH paper, MERCK	1 pkt
41.	Peptone, MERCK/ BDH	1X 500 gm
42.	Potassium Iodide, MERCK	1X 100 gm
43.	Sodium hydroxide, MERCK/ BDH	1X 500 gm
44.	Sodium Chloride, MERCK/ BDH	1X 500 gm
45.	Sodium Carbonate, MERCK/ BDH	1X 500 gm
46.	Sodium bicarbonate, MERCK/ BDH	1X 500 gm
47.	Sodium Fluoride, MERCK/ BDH	1X 500 gm
48.	Starch, MERCK/ BDH	1X 500 gm
49.	Saffranine, MERCK	1X 125 ml
50.	RBC fluid,	1X 250 ml

51	TCA,	SD/ MERCK	1X 100 gm
52	Tartaric acid	MERCK/ BDH	1x 100 gm
53	Uric acid,	Loba	1x 100 gm
54	Urea,	MERCK/ loba	1X 500 gm
55	WBC fluid		1X 100 ml
56	Sucrose,	MERCK/ BDH	1X 500 gm
57	Sulphuric Acid Conc.,	MERCK/ BDH	1X 500 ml
58	Xylene,	MERCK	1X 500 ml
59	Sulphur Powder,	MERCK	1X 500 gm
60	Selliwanoff's Reagent,	MERCK/ BDH	1X 500 gm
61	Alpha Naphthol,	MERCK/ SRL	1X 500 gm
62.	Ammonia Solution,	BDH\MERCK	1X 500 ml
63.	Alpha keto gluteric acid	BDH/Merck	1X 500 gm
64.	Paraffin	MERCK/ Others	1X 500gm
65.	Barfoed' s Reagent	BDH/MERCK	1X500ml
66.	Borax Solution	BDH/MERCK	1X 500 ml
67.	Bile Salt	BDH/MERCK	1X25 gm
68.	Bromine	BDH/MERCK	1X100 ml
69.	Cholesterol	BDH/MERCK	1x500 ml
70.	Carbolic Acid (PHENOL)	MERCK	1X 500ml
71.	Esbach's Reagent	BDH/MERCK	1X 500ml
72.	Formadehyde Solution	BDH/MERCK	1X 500 ml
73	Glucose (Anhydrous)	BDH/MERCK	1X500gm
74	Dextrose AR	BDH/MERCK	1X 500gm
75	Rectified Spirit	MERCK	1X 500ml
76	Methyl Violet Solution	NICE/Stanbio	1X 125 ml
77	Sudan III	NICE	1X125 ml
78	Nitric Acid Conc.	BDH/MERCK	1X500 ml
79	Cedar Wood Oil		1X 30 ml
80	Plasticin		1 packet
81	Lactose	BDH/MERCK	1x500 gm
82	Lactic Acid	BDH/MERCK	1x500ml
83	Maltose	BDH/MERCK	1x500gm
84	Millon's Reagent	BDH/MERCK	1x500 ml
85	Glecial Acetic Acid	BDH/MERCK	1x500 ml
86	Glycerol	BDH/MERCK	1x500 ml
87	Silver Nitrate crystal	BDH/MERCK	1x25 gm
88	Sodium Nitroprusside	BDH/MERCK	1x100 gm
89	Sodium Hypobromide	BDH/MERCK	1x500 gm
90	Toffer's Reagent	NICE	1x500 ml
91	Phenolphthalin Solution	BDH/MERCK	1x125 ml
92	Felling's Reagent I	BDH/MERCK	1x500 ml
93	Felling's Reagent II	BDH/MERCK	1x500 ml
94	Uffleman's Reagent	BDH/MERCK	1x500 ml
95	Resin	LOCAL	1x500 gm
96	Thymol solution	NICE	1x125 ml
97	Iodine solution	NICE	1x125 ml
98	BSA (bovine serum albumin)	BDH/MERCK	1x5 gm
99	Glycogen	BDH/MERCK	1x500 gm
100	Thymol blue	NICE	1x125 ml

101	1% Phenol Solution	NICE	1x125 ml
102	Benzidine	BDH/MERCK	1x100 gm
103	Potassium thiocyanate	BDH/MERCK	1x500 gm
104	Ferric alum (ferric Ammonium Sulphate)	BDH/MERCK	1x500 gm
105	Benzoic acid	BDH/MERCK	1x500 ml
106	Phospho-molybdic Acid Reagent	BDH/MERCK	1x500 ml
107	Orthophosphoric acid (85-89%)	BDH/MERCK	1x500 ml
108	Alkaline Copper Tartrate Solution	NICE/Stanbio	1x500 ml
109	Sulphate solution	NICE/Stanbio	1x500 ml
110	1,2,4-Amino Naphthol Sulphonic Acid (ANSA) (Solid)	NICE/Stanbio	1x25 gm
111	Picric acid (Saturated Solution)	BDH/MERCK	1x125 ml
112	Chloroform	BDH/MERCK	1x500 ml
113	Thinner oil	Chaina/Local	1x 500 ml
114	Orange G	BDH/MERCK	1x 500 ml
115	Agar	BDH/MERCK	1x 5 gm
116	Crystal violet Solution	NICE	1x 500 gm
117	Ammonium oxalate	BDH/MERCK	1x 125 ml
118	Adrenaline tartarate	BDH/MERCK	1x 500 gm
119	Distilled water		1ml x10 vial
120	Sodium-Potassium Tartrate (Rochelle's Salt)	BDH/MERCK	1 litre
121	Sodium Sulphate (Na <sub>2</sub> SO <sub>4</sub> )	BDH/MERCK	1x500 gm
122	Biuret Reagent (Readymade Solution)	BDH/MERCK	1x500 ml
123	EDTA – Di-Sodium Salt	BDH/MERCK	1x500 gm
124	Sodium Citrate	BDH/MERCK	1x500 gm
125	Creatinine	BDH/MERCK	1x125 gm
126	Potassium Permanganate	BDH/MERCK	1x500 gm
127	Sodium Oxalate	BDH/MERCK	1x500 gm
128	2,4-Dinitrophenyl Hydrazine	BDH/MERCK	1x125 gm
129	Sodium Pyruvate	BDH/MERCK	1x125 gm
130	L-Aspartic Acid	BDH/MERCK	1x125 gm
131	L/D Alanine	BDH/MERCK	1x125gm
132	Di-Sodium Hydrogen Phosphate (Na <sub>2</sub> HPO <sub>4</sub> )	BDH/MERCK	1x500 gm
133	Mono-Sodium Dihydrogen Phosphate (NaH <sub>2</sub> PO <sub>4</sub> )	BDH/MERCK	1x500 gm
134	SGOT Assay Kit	BDH/MERCK	
135	SGPT Assay Kit	BDH/MERCK	
136	Diphenylamine for DNA Estimation (Solid)	BDH/MERCK	1x125 gm
137	DNA (Commercial Sample)	BDH/MERCK	1x125 gm
138	Orcinol for RNA Estimation (Solid)	BDH/MERCK	1x125 gm
139	Metaphosphoric Acid (Solid)	BDH/MERCK	1x500 gm
140	Oxalic Acid (Solid)	BDH/MERCK	1x500 gm
141	2,6-Dichlorophenol-indophenol (DCIP) (Solid)	BDH/MERCK	1x125 gm
142	Ascorbic Acid (Solid)	BDH/MERCK	1x500 gm
143	Potassium Chromate	BDH/MERCK	1x500 gm
144	Picric Acid (Solid)	BDH/MERCK	1x100 gm
145	Sodium Molybdate	BDH/MERCK	1x500 gm
146	Sodium Sulphite (Na <sub>2</sub> SO <sub>3</sub> )	BDH/MERCK	1x500 gm
147	Sodium Bisulphite (NaHSO <sub>3</sub> )	BDH/MERCK	1x500 gm
148	Hexa-Ammonium Hepta-Molybdate Tetrahydrate (Solid)	BDH/MERCK	1x100 gm
149	Sodium Tungstate dihydrate	BDH/MERCK	1x100 gm
150	Molybdic Acid (Molybdic Trioxide) (Solid)	BDH/MERCK	1x100 gm

### III. Glasswares/Plasticwares

SL No	NAME	QUANTITY
1	Test tube stand (20 Test tube capacity), Tarson/Others	Per piece
2	Do (12 Test tube capacity), Tarson/Others	Per piece
3	Test tube holder, brass/ss	Per piece
4	Pipette stand (Horizontal), Tarsons/Others	Per piece
5	Plastic tray (18" X12 " size)	Per piece
6	DO ( 12"X 9" size)	Per piece
7	Measuring Cylinder , 1000 ml Borosil R,	Per piece
8	Do, 500 ml	Per piece
9	Do 100 ml	Per piece
10	Do, 25 ml with lid	Per piece
11	Do, 10 ml with lid	Per piece
12	Measuring Cylinder , 1000 ml Polylab/Others	Per piece
13	Do, 500 ml	
14	Do, 100 ml	Per piece
15	Petri dish (medium), Glass made	Per pair
16	Pipette washing jar, Glass	Per piece
17	Volumetric flask with lid, 1000 ml NG	Per piece
18	DO 100 ml NG	Per piece
19	Reagent bottle, amber color, 250 ml	Per piece
20	Beaker, 500 ml Borosil R	Per piece
21	Do, 250 ml, 1000ml	Per piece
22	Beaker , 2.5 lit Tarsons/Others	Per piece
23	Do , 1000 ml	Per piece
24	Do , 500ml	Per piece
25	Reagent Bottle, 1000 ml, 5000ml NG	Per piece
26	Do, 500 ml	Per piece
27	Do, 250 ml	Per piece
28	Do , 100 ml	Per piece
29	Volumetric pipette, 10 ml Borosil/NG	Per piece
30	Do, 5 ml	Per piece
31	Do, 1 ml	Per piece
32	Graduated Pipette, 10 ml Borosil/ NG	Per piece
33	Do, 5 ml	Per piece
34	Do, 2 ml	Per piece
35	Do, 1 ml	Per piece
36	Do, 0.5 ml	Per piece
37	Burette, 25 ml Polylab /Tarsons	Per piece
38	Folin-Wu Tube, Borosil R	Per piece
39	Test Tube, 25 ml capacity Borosil R	Per piece
40	Test tube NG	Per piece

41	Glass Desiccators	Per piece
42	Glass Rod	Per Kg
43	Tissue fixing tube with cork	Per piece
44	Porcelain tray	Per piece
46	Pasture Pipette	Per piece
47	Conical flask with lid, 50ml	Borosil R
48	Do, 100ml	Per piece
49	Do, 250ml	Per piece
57	Reagent bottle 2 lit	NG
58	Ocular Micrometer	Per piece
59	Wash bottle 250 ml	Polylab/Others
60	Do, 500ml	Per piece
61	Do, 1000ml	Per piece
62	Plastic dropper	Per pack
63	Coplin Jar (plastic)	Polylab
64	Coplin Jar (glass)	Per piece
65	Sample vial/specimen tube (glass/plastic)	Per piece
66	Pipette pump for 10 ml pipette	Polylab
67	Glass bead	Per piece
68	Magnetic stirrer with magnetic bead	Per piece
69	Venous Canula (glass)	Per piece
70	Syme's Canula (glass)	Per piece
71	Capillary tube (glass)	Per pack
72	Funnel 3"/5" (glass)	Per piece
73	Oxygen Bubbler Tube for Dale's Experiments (glass)	Per piece

#### IV. Other materials for laboratory use

<u>SI NO.</u>	<u>ITEMS</u>	<u>RATE</u>
1.	WHITE RAT	PER PIECE
2.	TOAD	PER PIECE
3.	MYOGRAPH BOARD WITH PARAFFIN TOP (SIZE 9'' X6'')	PER PIECE
4.	KYMOGRAPH DRUM PAPER	PER PIECE
5.	DISPOSABLE SYRINGE 1ml SLIM	PER 100 PIECES
6.	DISPOSABLE NEEDLE (24X1')	PER 100 PIECES
7.	PLAIN SLIDE (BLUE STAR)	PER PACKET
8.	COVER SLIP ROUND (BLUE STAR)	PER PACKET
9.	BLANK CD/DVD (SONY)	PER PIECE
10.	PEN DRIVE 8GB, 16 GB (SANDISK)	PER PIECE
11.	COTTON (ABSORBENT)	PER PACKET
12.	WHITE BOARD 5'X4' / 4'X3'	PER PIECE
13.	APRON	PER PIECE
14.	BLOOD SUGER STRIP (ACUCHECK ACTIVE)	1X25 STRIPS
15.	PERMANENT STAINED HISTOLOGICAL SLIDE (MAMMALIAN)	PER PIECE
16.	BACTERIOLOGICAL WIRE LOOP	PER PIECE
17.	ANTI A+B+D MONOCLONAL ANTISERA KIT	PER PIECE
18.	UNSTAINED HISTOLOGICAL SLIDE (MAMMALIAN)	PER PIECE
19.	HP LASER JET PRINT CARTIDGE	PER PIECE
20.	DIAMOND PENSIL	PER PIECE
21.	FILTER PAPER	PER PACKET
22.	TISSUE PAPER	PER ROLL
23.	PAPER ROLL OF SPIROMETER (RMS)	PER ROLL
24.	STAINING TRAY PORCELEIN	PER PIECE
25.	LPG LINE WITH FITTINGS	PER FOOT
26.	POTRAIT OF SCIENTISTS	PER PIECE
27.	MODELS OF HUMAN ORGANS	PER PIECE
28.	BURETTE STAND WITH BASE AND CLAMP height 3 ft	PER PIECE
29.	MYOGRAPH STAND WITH BASE AND CLAMP height 2ft	PER PIECE
30.	PORTABLE PH METER	PER PIECE
31.	DRY BULB AND WET BULB	PER PIECE
32.	DIGITAL APPARATUS FOR HUMIDITY AND TEMPERATURE MEASUREMENT	PER PIECE
33.	LASER POINTER	PER PIECE
34.	BIOLOGICAL DISSECTION BOX	PER PIECE
35.	ELECTRICAL DRILL 1500 WATT	PER PIECE
36.	SCREW DRIVER SET	PER PIECE
37.	PINCH CLIP	PER PIECE
38.	LONG FORCEP	PER PIECE
39.	LEVER FOR MYOGRAPH	PER PIECE
40.	LEVER FOR DALE'S APPARATUS	PER PIECE
41.	ISHIHARA CHART	PER PIECE
42.	SNELLEN'S CHART	PER PIECE
43.	DISSECTION TRAY WITH PARAFFIN COATING 15'' X 12''	PER PIECE
44.	EXTENSION CORD/SPIKE GUARD	PER PIECE
45.	SPIRIT LAMP	PER PIECE
46.	KYMOGRAPHIC SMOKING APPARATUS	PER PIECE



47.	TRIPOD STAND	PER PIECE
48.	WIRE NET	PER PIECE
49.	BUBBLER FOR O <sub>2</sub> SUPPLY	PER PIECE
50.	SPATULA (STAINLESS STEEL/ALUMINIUM)	PER PIECE
51.	RUBBER TUBE	PER METER
52.	MORTAR AND PESTLE	PER PIECE
53.	PORCELEIN BOWL FOR PARAFFIN MELTING	PER PIECE
54.	TOAD CAGE	PER PIECE
55.	RAT CAGE	PER PIECE
56.	TEST TUBE BRASS	PER PIECE
57.	DIGITAL THERMOMETER (0-150°C)	PER PIECE
58.	THERMOMETER (0-150°C)	PER PIECE
59.	HUMAN SKELETON (fibre)	PER PIECE
60.	OBJECTIVES- 10X, 40X, 100X (OLYMPUS/OTHERS)	PER PIECE
61.	EYEPIECE 5X, 10X (OLYMPUS/OTHERS)	PER PIECE
62.	HOT PLATE 15"X12"	PER PIECE
63.	HAND TALLY COUNTER	PER PIECE
64.	POINTER EYEPIECE	PER PIECE
65.	EMERGENCY LIGHT	PER PIECE
66.	CLIX OVEN	PER PIECE
67.	TABLE LAMP with 100 WATT BULB	PER PIECE
68.	TOOL BOX	PER PIECE
69.	KEROSENE BURNER FOR DRUM SMOKING	PER PIECE
70.	DRUM SMOKING STAND	PER PIECE

## V. Repairing and Servicing

SL NO.	ITEMS	RATE
1	Student Compound Microscope HAS/HB	PER PIECE
2	Compound Microscope AJAY	PER PIECE
3	Kymograph set	PER PIECE
4	Sphygomanometer (Mercury type)	PER PIECE
5	Sphygomanometer (Dial type)	PER PIECE
5	Spectrophotometer (Systronics)	PER PIECE
6	Colorimeter (ERMA)	PER PIECE

### Terms & Conditions :

1. All the tenders must be valid upto 31.03.2017.
2. Photocopy of IT Return, PAN, VAT Clearances, Sale Tax Certificates, etc. must be attached with the tender papers.
3. The rate of each items inclusive of all tax, VAT, ST and delivery charges.
4. Last date of submission of tenders is 28.01.2017

Sd/- A.K. Pandit  
Associate Prof. & Head  
Department of Physiology  
A.B.N. Seal College  
Cooch Behar