

**OFFICE OF THE PRINCIPAL:MODEL DEGREE COLLEGE, NUAPADA**  
**QUOTATION FOR THE SUPPLY OF LAB-INFRASTRUCTURE / FURNITURE/EQUIPMENTS**  
**/CHEMICALS & GLASS WARE / MODELS -CHARTS**

Quotation NO: 77 .Date: 16/02/2019 ,

Sealed quotations are hereby invited by **Model Degree College Nuapada, Khariar** from Registered manufacturers / Dealers / Distributer for procurement of lab-infrastructure / furniture/equipments /chemicals & glass ware / models –charts etc.

**The details specification is available in**

- i) **Annexure-(I)-Lab-Furniture/Infrastructure**
- ii) **Annexure-(II)-Lab-Equipments /CHEMICALS & GLASS WARE / MODELS -CHARTS etc**

The Quotationers should submit the completed documents along with **EMD@3%** of the **quoted value** (refundable) of equipment on the Quotation documents in the form of Demand Draft drawn in favour of "**Principal Model Degree College Nuapada, Khariar** " payable at Khariar.

The Quotation paper, filled in every respect must reach the undersigned with copies of relevant documents on or before **26.02.2019**.by **01.00 PM** by Speed Registered / Courier post / by hand.

**Terms & Conditions:**

1. Copies of the credibility certificates and valid authorization certificates of various relevant products must be enclosed with the quotation.
2. The firm is required to enclose copies of its current valid VAT/GST Clearance Certificates, and PAN with IT-Clearance Certificate with the quotations.
3. In case of negligence of the firm, the undersigned reserves the right to cancel the order and actions may be initiated as deemed fit against the firm.
4. The quoted **price (including all taxes & transportation)** must be according to concessional rates and taxes applicable for educational institutions.
5. All Quotationers will be evaluated and compared on the basis of the following order
  - I. Compliance with the Instructions/General Conditions of the Quotation.
  - II. Conformity with the Specifications.
  - III. Proof of ability.
  - IV. Delivery Period.
  - V. Guarantee/ Warranty, expiry period offered.



*(Signature)*  
**16/2/19**  
**Principal**  
**Model Degree College**  
**Nuapada, Khariar**

VI. Quality.

VII. Price.

VIII. Authorization letter from Manufacturer

6. The following Documents should accompany the Quotation.

- a) Quotation duly completed and signed.
- b) Detail Specifications.
- c) Bidding data sheets /Offer sheets duly completed and signed.
- d) EMD as applicable
- e) Copy of VAT/GST and CST Registration.
- f) Certificate of Incorporation/Business Registration.
- g) All other documents as mentioned in the term and condition.
- h) Authorization letter from Manufacturer

8 Tax may be charged against as per the rules applied to an educational institution.

9 Any dispute arising out of the transaction shall be subjected to the jurisdiction of Orissa High Court only.

10 The Quotationers is required to submit the Quotation papers filled in, with other supportive documents, failing which, they may be rejected.

11 The undersigned reserves the right to reject any or all quotations received without assigning any reason thereof.

12 The Quotation will be opened on dated **27.02.2019** at **11AM** in the office of the Office of The Principal **Model Degree College Nuapada, Khariar .**

**N.B:- Incomplete data in any respect is liable for rejection.**



*[Handwritten Signature]*  
16/2/19  
Principal  
Model Degree College  
Nuapada, Khariar

**OFFICE OF THE PRINCIPAL: MODEL DGREE COLLEGE NUAPADA, KHARIAR.**

AT-PUTUPADA , PO- KHARIAR , PIN-766107 , DIST- NUAPADA

e.Mail-mdckhariar2016@gmail.com

**TENDER APPLICATION FORM**

Tender call No. \_\_\_\_\_ Dt. \_\_\_\_\_

1. Name of the Firm:

2. Detail Address:

3. Contact Person Name :

& Phone Number:

4. e-Mail address :

5. EMD Details : Bank Draft- No :

/ Date :-

Amount = Rs.

6. Bank Accounts No(Firm) :

7. IFSC CODE(Firm) :

8. PAN Copy Enclosed ( Yes / No) :

9. GST / TIN /SRIN / VAT Copy Enclosed(Yes/No):

10. Latest -IT-Return Copy Enclosed( Yes/No):

11. Any Other relevant Documents Given:

**Declaration:**

We do hereby declare that, we have gone through the details of the technical specifications and other terms and conditions mentioned in the Quotation Paper received against the Tender call No. \_\_\_\_\_ Dt. \_\_\_\_\_ and will abide by them.



**Authorised Signatory**

**With Seal & On behalf of the Bidder.**

*(Handwritten Signature)*  
Principal  
Model Degree College  
Nuapada, Khariar

**OFFICE OF THE PRINCIPAL: MODEL DEGREE COLLEGE, NUAPADA**

**Annexure-I(Lab-Furniture / Infrastructure)**

SL.No	Items	Make / Model	Specification	Tender type	Quantity
1	ALMIRAH	GODREJ- STOREWELL	4-SHELVS	OPEN	28
			3-SHELVS 01-LOCKER		02
2	DESK-TOP COMPUTER	DELL / HP	Intel-core-i5 (7 <sup>th</sup> gen), 8-GB-DDR4-RAM ,1-TB- HDD, WIN-10(License)	OPEN	03
3	LCD- PROJECTOR WITH STAND & SCREEN	EPSON / SONY/ BEN-Q	BRIGHTNESS > 2500 LUMEN USB,HDMI , FULL-HD	OPEN	02
4	REFRIGERATOR	GODREJ / LG / SAMSUNG/ WHIRLPOOL	180L - 230L, 5 STAR RATED/ FROST FREE	OPEN	03
5	PLAIN TABLE	*****	42"X 24"X 30" WITHOUT DRAW & CUP BOARD ,WITH FOOT REST	EPM	30
6	GREEN BOARD	*****	SIZE- 6ft X 4ft	OPEN	10
7	LAB-STOOL	NILKAMAL	SIZE-12" X 14"(TOP) HEIGHT-20"	OPEN	30
8	PURE SINE WAVE INVERTER	LUMINOUS/ MICROTEK / EXIDE	950VA/1050VA/1115VA (SINGLE BATTERY MODELS)	OPEN	01(ONE)
9	TALL-TUBULAR- BATTERY	LUMINOUS / MICROTEK / EXIDE	150mAH Or Above	OPEN	01(ONE)
10	SPECIMEN TRAY	****	SQURE SIZE	OPEN	10
11	PRINTER ALL in ONE	EPSON-L3110	COLOUR , ECO TANK	OPEN	01
12	Provision of Gas connection to working tables in chem.-lab	*****	TATA-ISI heavy quality M.S. Pipe with two way terminal nozzles(Pure Brass) and copper pipes & Bunsen burner with brass body with flexible pipes of ISI brand & Gas controlling check valves	OPEN	
13	IRON RACK		SIZE-78"X36"X15", 5- SHELVES ADJUSTABLE RACK NUT & BOLT, ANGLE-16-GAUGE, C.R SHEET-20GAUGE WITH BACK COVER	OPEN	20



**OFFICE OF THE PRINCIPAL: MODEL DEGREE COLLEGE, NUAPADA**  
**AT-Putupada,PO-Khariar,Dist-Nuapada,PIN-766107**  
**e-mail:-mdckhariar2016@gmail.com**

**Annexure-(II)**

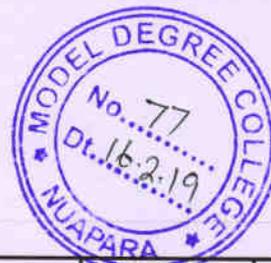
**Lab-Equipments / CHEMICALS & GLASS WARE / MODELS -CHARTS etc**

- i) **Phy-Dept**
- ii) **Chem-Dept**
- iii) **Botany-Dept**
- iv) **Zoology-Dept**
- v) **Anthropology-Dept**
- vi) **Education-Dept**



**MODEL DEGREE COLLEGE NUAPADA, KHARIAR**  
**LIST OF EQUIPMENTS**  
**DEPARTMENT OF PHYSICS**

Sl. No	NAME OF EQUIPMENTS	SPECIFICATION	QUANTITY	BRAND
1	Screw Gauge	<ul style="list-style-type: none"> <li>Stainless Steel screw (rod) accurately machined.</li> <li>Brass body</li> <li>LC: (0.01 mm) or (0.02mm)</li> </ul>	05	NISCO
2	Slide Calipers	<ul style="list-style-type: none"> <li>Stainless Steel</li> <li>Width x Height: 30 mm x 150 mm</li> <li>LC: (0.1 mm)</li> </ul>	05	NISCO
3	Solid cylinder	Aluminum : 40 mm ( Length) 3 mm (Dia)	10	
4	solid sphere	Aluminum Dia : 6mm	10	
5	Bar pendulum Complete setup	<ul style="list-style-type: none"> <li>Steel bar</li> <li>100 cm long, 2.5cm width and 0.5cm thick.</li> <li>Holes drills at regular intervals of 5 cm along its length</li> <li>Two removal knife edges &amp; wall bucket</li> <li>Reading telescope (stand with scale &amp; scale holder)</li> </ul>	03	BESTCO
6	Kater's pendulum with weight	<ul style="list-style-type: none"> <li>Kater's Reversible Pendulum Brass with Tripod stand.</li> <li>Material Stainless Steel</li> <li>Diameter: 1.0 cm</li> <li>Rod Size: 120 cm</li> <li>Two sets of large and small weights</li> <li>Two knife edges and wall bucket.</li> </ul>	03	BESTCO
7	Digital Stop watch	<ul style="list-style-type: none"> <li>Battery Type: Lithium Battery</li> <li>Dial Shape: Round</li> <li>Display Type: Digital</li> <li>Power Source: 12v DC</li> </ul>	04	RACER
8	Moment of Inertia I of fly wheel	<ul style="list-style-type: none"> <li>Machined and balanced cast iron wheel and steel spindle is supported on ball bearings in strong iron brackets.</li> <li>The wheel is smoothly painted and is marked with a line.</li> <li>A pointer is fixed to one of the brackets.</li> <li>Diametric hole is drilled in the shaft to take a pin and cord.</li> <li>The base is provided with holes so that the apparatus can be fixed to wall.</li> </ul>	02	OMEGA



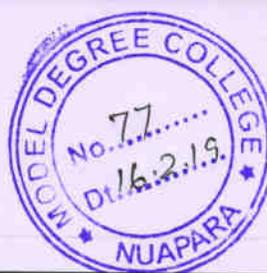
9	Digital multimeter	<ul style="list-style-type: none"> <li>• Model Number: MAS830L</li> <li>• Power Source Type: Battery-Powered</li> <li>• Power: 9V battery, NEDA 1604 or 6F22</li> <li>• Fuse: F1: F250mA or 250V, F2: F 10A or 250V</li> <li>• Item Weight: 118.0 grams</li> <li>• Length: 144 millimeters</li> </ul>	04	Mastech
10	De-Sauty Bridge	<ul style="list-style-type: none"> <li>• In built DC regulated power supply.</li> <li>• In built sine wave oscillator, frequency 1 kHz + 3%, amplitude 0_15 Vpp.</li> <li>• In built 31/2 digit null detectors.</li> <li>• On board one decade dial x(0.1pF)</li> <li>• On board four unknown capacitor are mounted behind the front panel with connections are brought out on front panel</li> <li>• Circuit diagram of discrete component printed &amp; all important connections are brought out on front panel.</li> <li>• Supply with patch cords for interconnection &amp; instruction manual.</li> </ul>	02	OMEGA/ NISCO
11	Carey Fosters Bridge.	<ul style="list-style-type: none"> <li>• <u>Board contains the following</u></li> <li>• Decade Resistance in ten step 0.1 ohms, Total Resistance 1 ohms</li> <li>• Digital Galvanometer</li> <li>• Wire wound potentiometer mounted with three sockets in place of Rheostat 10E 1W</li> <li>• Cell Eliminator with switch voltage 1V5 substitutes Leclanche Cell.</li> <li>• Unknown resistance wire of two different gauges each of 50cm</li> <li>• <u>Carey Foster's Bridge</u> - Four gaps, Sunmica top with sliding jockey OMEGA TYPE CFB-182.</li> <li>• Weight : 3.5 Kg. (Approx.)</li> <li>• Adequate no. of connecting wires, 50cm long.</li> <li>• Operating Manual.</li> </ul>	02	OMEGA/ NISCO
12	RC circuit setup		01	OMEGA
13	Potentiometer, 10 wire (complete experiment set up)	<ul style="list-style-type: none"> <li>• Potentiometer</li> <li>• Leclanche cell</li> <li>• Daniel cell</li> <li>• A two way key</li> <li>• A resistance box plug type (0 to 1000 <math>\Omega</math>)</li> </ul>	02	OMEGA/ NISCO



		<ul style="list-style-type: none"> <li>• A galvanometer (weston type)</li> <li>• A voltmeter (0-3 V)</li> <li>• A battery eliminator</li> <li>• A low resistance rheostat (about 20 <math>\Omega</math>),</li> <li>• Two one-way keys</li> </ul>		
14	Spectrometer	<ul style="list-style-type: none"> <li>• Model Number: ASI-63</li> <li>• Cast iron base</li> <li>• Brass scale</li> <li>• Vernier reading 1 minute</li> <li>• Slit of the collimator is form of stainless steal</li> <li>• Pack in a wooden box with sunmica front</li> </ul>	01	OMEGA/ NISCO
15	Spectrometer Prism	<ul style="list-style-type: none"> <li>• Crown optically glass</li> <li>• Equilateral prism with two faces polished worked for spectrometer</li> <li>• Prism dia: 25 x 25 mm</li> </ul>	02	BEXCO
16	Melde's apparatus	<p>It consist of</p> <ul style="list-style-type: none"> <li>• Silk cord, pulley stand, stand scale pan.</li> <li>• Tuning fork frequency of approximately 60 vibrations per sec. which is mounted on a heavy cast iron base.</li> <li>• An electromagnet is arranged between the prongs of the fork without touching it.</li> <li>• A small spring type strip is attached to the one of the prongs.</li> <li>• A screw just makes a contact with this strip. Supplied with scale pan, bench clamp with pulley but without weights.</li> </ul>	01	OSAW
17	Michelson's Interferometer Complete setup		01	OMEGA/ NISCO
18	Newton's ring Complete Experimental setup		01	OMEGA/ NISCO
19	Thermal Conductivity K By Sealers Apparatus	<ul style="list-style-type: none"> <li>• Searle's Apparatus</li> <li>• Steam Boiler, 2 Liter Capacity</li> <li>• Two Thermometer,</li> <li>• Rubber Fitting To The Tape</li> </ul>	01	OMEGA
20	Thermal conductivity of bad conductor by Lees and Chaltons disc method	<ul style="list-style-type: none"> <li>• Two no of thermometer 110x1/10</li> <li>• Digital stop watch</li> <li>• Hot plate</li> <li>• Steam Boiler</li> <li>• Heater</li> </ul>	01	OMEGA



21	Platinum Resistance Thermometer , Temperature Coefficient Off Resistance By Platinum Resistance Thermometer	<ul style="list-style-type: none"> <li>Platinum resistance thermometer (PRT-195)</li> <li>Electrical kettle with a hole on top cover for inserting a thermometer</li> <li>Thermometer range of 360</li> </ul>	01	OMEGA
22	Transistors and Diodes (Box Kit)	400Pcs 24value Transistors and Diodes Bridge Rectifiers Assortment Box Kit Item Number: SLB6-7JAN78073	01	Electrodo se
23	To verify and design AND,OR,NOT,XOR gates using NAND gates		03	OMEGA Model.- LTB-819
24	Half Adder, Full Adder and 4-bit binaryAdder		02	OMEGA LOGICOM LTB-805
25	Photo-Electric Effect, Complete setup	Photo Sensitive Device : Vacuum photo tube. Light source: Halogen tungsten lamp 12V/35W. Colour Filters: 635nm, 570nm, 540nm, 500nm & 460nm. Accelerating Voltage : Regulated Voltage Power Supply	01	OMEGA
26	Planck's Constant Using LED Kit- Complete Set Up	Calibrated LED: 4 nos Digital Voltmeter: 0 - 9.99V dc Specially designed variable dc power supply (0 - 5 V) whose output can be varied in steps of 1 mV.	01	Nunes Instrumen ts
27	Tunnel Diode Characteristics Apparatus			ASICO . Model - AE237
28	P-N Junction Diode and LED Characteristic Apparatus Complete Set up		02	OMEGA Model- E31
29	Zener Diode Complete Kit With Power Supply		02	OMEGA
30	Bipolar Junction Transistor ( CE) Kit		02	OMEGA MODEL- E3C
31	R C- Coupled Transistor Amplifier With Function Generator)		01	OMEGA
32	Op-Amp ( Inverting And Non Inverting) Kit		01	OMEGA
33	Colpitt's Oscillator With Power Supply	DC Power supply, all other components are inbuilt inside the kit	01	OMEGA
34	Dielectric Materials (		01	



	Dielectric Constance for solid )- Complete Experimental Set Up			
35	Hall Effect- Complete Experimental Set Up	<ul style="list-style-type: none"> <li>• Hall Probe ( Ge Crystal - n type )</li> <li>• Hall Probe S,</li> <li>• Hall effect set up ,</li> <li>• Electromagnet ,</li> <li>• Constant Current Power Supply</li> <li>• Digital Gauss meter</li> </ul>	01	OSAW
36	Four probe Experimental setup	<ul style="list-style-type: none"> <li>• Open Circuit</li> <li>• Voltage : 18V</li> <li>• Current range : 0-20mA</li> <li>• Resolution : 10mA</li> <li>• Accuracy : <math>\pm 0.25\%</math> of the reading <math>\pm 1</math>digit</li> <li>• Load regulation : 0.03% for 0 to full load</li> <li>• Line Regulation : 0.05% for 10% changes</li> <li>• Oven power supply</li> </ul>	01	OMEGA MODEL-ES-246
37	Law Of Mauls of Plane Polarized Light Complete Experimental Set Up		01	OMEGA/NISCO/OSAW
38	Microwaves ( Reflection , Refraction, Polarization)- Complete Experimental Set Up		01	OMEGA/NISCO/OSAW
39	Boltzmann constant using V-I characteristics of PN junction diode	Digital DC Voltmeter to measure the voltage across the diode. Highly stabilized variable D.C. power supply (0 - 2Volts). Digital milliammeter to measure forward bias current		OMEGA/NISCO
40	Battery Eliminator	Type of Product :Battery Eliminator Output Voltage :2-12V Output Current :0-1A Max. Output Voltage Range :0-15V Max. Output Current Range : 0-3 A	05	
41	voltmeter	Input: 230 V AC Range: 15V-300V/500V-600V Size: 96mm x 48mm	05	Generic
42	Ammeter	Ammeter 0-3 Amp. Accuracy $\pm 2.0\%$ lock type terminal	05	Generic
43	Travelling Microscope	Two motion(Vertical & Horizontal) Stainless steel scale	03	NISCO
44	Tester	Length = 200 mm	02	

45	Scale ( Wooden + steel)		10 (5+5)	
46	Thread		1 reel	
47	Connecting wire	Cupper wire 28 G	1 bundle	
48	Resistance wire		01 coil	
49	Hexa blade		05	
50	Cutting player		02	
51	Screw driver		02	

### CHEMICALS

Sl No	Name	Amount	Brand
1	Copper Sulphate	500 g	LOBA
2	Ammonium Chloride	500g	LOBA
3	Castor Oil		
4	Mercury Extrapure	50g	LOBA



## DEPARTMENT OF CHEMISTRY

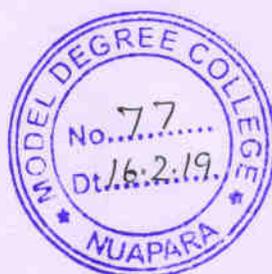
<b>A</b>	<b>LIST OF CHEMICALS&amp;SOLVENTS</b>	<b>Brand</b>	<b>Unit</b>	<b>Price</b>
1	Alluminium sulphate	MERCK	500GM	
2	Amm Oxalate	MERCK	500GM	
3	Ammonium chloride	MERCK	500GM	
4	2,4- dinitro phenyl hydrazine	MERCK	500GM	
5	2,4- Dinitrophenyl hydrazine	MERCK	25GM	
6	A- Naphthol	MERCK	500GM	
7	Acetamide	MERCK	500GM	
8	Acetic acid	MERCK	500ml	
9	Acetone	MERCK	500ml	
10	Acetyl chloride	MERCK	500GM	
11	Aceyaldehyde	LOBA	500ml	
12	Activated Charcoal	MERCK	500GM	
13	Alluminium chloride	MERCK	250GM	
14	Aluminium oxide	MERCK	500GM	
15	Aluminium Sulphate	MERCK	500GM	
16	Amm Carbonate	MERCK	500gm	
17	Amm Hydroxide	MERCK	2.5IIT	
18	Amm Molybdate	MERCK	100GM	
19	Amm Thiocyanate	MERCK	500ML	
20	Ammonium acetate	MERCK	500GM	
21	Ammonium Chloride	MERCK	1Kg.	
22	Ammonium Hydroxide	MERCK	500ML	
23	Ammonium Sulphate	MERCK	500GM	
24	A-Naphthol	MERCK	100GM	
25	Aniline	MERCK	500ml	
26	Barium Chloride	MERCK	500GM	
27	Barium Nitrate	MERCK	500GM	
28	Barium Sulfate	MERCK	500GM	
29	Benedicts Reagent	MERCK	500ML	
30	Benzaldehyde	MERCK	500ML	
31	Benzamide	Fisher	500gm	
32	Benzene	MERCK	500ML	
33	Benzoic acid	MERCK	500GM	
34	Benzoyl chloride	MERCK	500ML	
35	Bleaching Powder	MERCK	500GM	
36	B-Naphthol	MERCK	500GM	
37	B-Naphthol	MERCK	250GM	
38	Bromine liquid	MERCK	100ML	



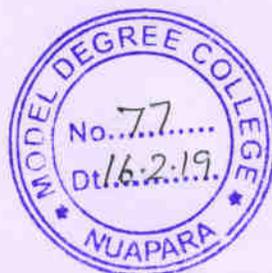
39	Calcium Carbonate	MERCK	500GM
40	Calcium chloride	MERCK	500GM
41	Calcium Nitrate	MERCK	500GM
42	Calcium Sulphate	MERCK	500GM
43	Carbon tetrachloride	MERCK	
44	Ceric Amm Nitrate	MERCK	100GM
45	Chloroform	MERCK	500ml
46	Chromatography Paper		SHEET
47	Cinnamic acid	MERCK	250gm
48	Cobalt Nitrate	MERCK	100gm
49	Copper foil	NICE	100gm
50	Copper sulphate	MERCK	500gm
51	Copper Sulphate (Anhydrous)	MERCK	500gm
52	Copper Turnnings	NICE	100GM
53	Cyclo hexane	MERCK	500ml
54	D Glucose	MERCK	500ml
55	D.Fructose	MERCK	250GM
56	Dimethyl glyoxime	MERCK	100gm
57	Diphenylamine	MERCK	250gm
58	EDTA Sol	MERCK	500ml
59	Erichrome Black-T Indicator	MERCK	25GM
60	Ethyl Acetate	MERCK	500ML
61	Ethyl Alcohol	CHINA	500ML
62	Ethyl Methyl ketone	MERCK	500ML
63	Fehling Soln 'A'	MERCK	500ML
64	Fehling Soln 'B'	MERCK	500ML
65	Ferric Chloride	MERCK	500GM
66	Ferroun indicator		100ml
67	Ferrous Sulphate	MERCK	500GM
68	Ferrous Amm Sulphate	MERCK	500GM
69	Formaldehyde	MERCK	500ml
70	Formic acid	MERCK	500ml
71	Fructose	MERCK	500GM
72	Galactose	MERCK	500GM
73	Glacial acetic acid	MERCK	500ML
74	Glycerine	MERCK	500GM
75	Glycine	MERCK	500GM
76	Hydrochloric acid(Conc.)	MERCK	500ml
77	Iodine	NICE	100gm
78	Iron Sulfide Stick	MERCK	1kg
79	Iron(ii) Sulfate	MERCK	500GM



80	Isopropanol	MERCK	500ML	
81	Lactose	Quligen	500gm	
82	Lead Acetate	MERCK	500ML	
83	Lead Nitrate	MERCK	500GM	
84	Lead sulfate	loba	500gm	
85	Litmus paper Blue	MERCK	Pkt	
86	Litmus paper Red	MERCK	Pkt	
87	Magnesium chloride	MERCK	500gm	
88	Magnesium Sulphate	MERCK	500gm	
89	Maltose	MERCK	250GM	
90	Manganese dioxide	MERCK	500gm	
91	Manganese sulphate	MERCK	500gm	
92	Mercuric chloride	MERCK	250gm	
93	Mercuric sulphate	MERCK	250gm	
94	Meta -dinitro benzene	loba	500gm	
95	Methanol 500ml	MERCK	500ml	
96	Methyl Acetate	MERCK	500ml	
97	Methyl Orange	MERCK	125ml	
98	Methyl Red	MERCK	125ml	
99	m-Toluidine	loba	500ml	
100	Nickel ammonium sulphate	loba	500gm	
101	Nickel chloride	MERCK	500gm	
102	Nickel sulfate	MERCK	500gm	
103	Nitric acid(Conc.)	MERCK	500ml	
104	Nitrobenzene	MERCK	500ml	
105	N-Phenyl Anthranilic acid	Loba	25gm	
106	O-Toluidine	Quligen	500ml	
107	Oxalic acid	MERCK	500GM	
108	Oxine	Quligen	100gm	
109	p- Cresol	MERCK	500ml	
110	P.Nitro Phenol	loba	500gm	
111	Phenol	MERCK	500ML	
112	Phenolphthalein	MERCK	125ml	
113	Phenyl Hydrazine	finar	250ml	
114	Phthalic acid	MERCK	500GM	
115	Picric acid	MERCK	500GM	
116	P-Nitro Aniline	loba	250gm	
117	p-Nitrobenzal dehyde	loba	100gm	



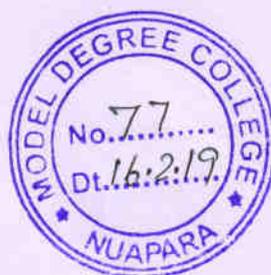
118	Potassium bromide	MERCK	500GM	
119	Potassium dichromate	MERCK	500GM	
120	Potassium Hydroxide	MERCK	500GM	
121	Potassium iodate	MERCK	500GM	
122	Potassium Oxalate	MERCK	500GM	
123	Potassium Permanganate	MERCK	500GM	
124	Pottassium Bromate	MERCK	500GM	
125	Pottassium Carbonate	MERCK	500GM	
126	Pottassium Chloride	MERCK	500GM	
127	Pottassium Chromate	MERCK	500GM	
128	Pottassium Ferrocyanide	MERCK	500GM	
129	Pottassium Iodide	MERCK	250gm	
130	Pottassium Pyroantimonate	MERCK	500GM	
131	Pottassium Sulphate	MERCK	500GM	
132	Pottassium Thiocyanate	MERCK	500GM	
133	p-Toluidine	Quligen	500GM	
134	Pyridine	MERCK	500ml	
135	Resorcinol	MERCK	100gm	
136	Salicylic acid	MERCK	500GM	
137	Schiff Reagents	NICE	125ml	
138	Silica Powder		500gm	
139	Silver Nitrate	MERCK	25GM	
140	Silver Sulphate	MERCK	100gm	
141	Soda Lime	MERCK	500GM	
142	Sodium Acetate	MERCK	500GM	
143	Sodium Carbonate	MERCK	500GM	
144	Sodium Nitrite	MERCK	500GM	
145	Sodium Oxalate	MERCK	500GM	
146	Sodium Sulfite	MERCK	500GM	
147	Sodium Bicarbonate	MERCK	1Kg.	
148	Sodium Borohydride	MERCK	100gm	
149	Sodium Carbonate	MERCK	500GM	
150	Sodium Chloride	MERCK	500GM	
151	Sodium Hydrogen Phosphate	MERCK	500GM	
152	Sodium hydroxide	MERCK	500GM	
153	Sodium Metal	NICE	250gm	
154	Sodium Nitrate	MERCK	500GM	
155	Sodium Nitropruside	MERCK	500GM	



156	Sodium Sulfide	MERCK	500GM	
157	Sodium Thiosulphate	MERCK	500GM	
158	Solochrome Dark Blue	loba	5gm	
159	Stannous Chloride	MERCK	250gm	
160	Starch	MERCK	500GM	
161	Starch Iodide Paper	MERCK	Pkt	
162	Strontium chloride	Fisher	50gm	
163	Strontium Nitrate	MERCK	500GM	
164	Succinic Acid	MERCK	500GM	
165	Sucrose	MERCK	500GM	
166	Sulphuric acid(Conc.)	MERCK	2.5lit	
167	Thio Urea	MERCK	500GM	
168	Thionyl chloride	FINAR	500ml	
169	Tin Metal	MERCK	100gm	
170	Urea	MERCK	500GM	
171	Vaseline (Petroleum jelly)	NICE	25GM	
172	Zinc Carbonate	Fisher	500GM	
173	Zinc Dust	Fisher	500GM	
174	Zinc Sulphate	MERCK	500GM	
<b>List Of Glasswares &amp; Apparatus</b>				
1	Aspirator Bottle 5 Lit.	Poly lab	6	
2	Atomic model Set Junior	TARSON	Each	
3	Atomic model Set Senior	TARSON	Each	
4	Beaker-1000ml	BOROSIL	Each	
5	Beaker-100ml	BOROSIL	Each	
6	Beaker-250ml	BOROSIL	Each	
7	Beaker-400ml	BOROSIL	Each	
8	Beaker-500ml	BOROSIL	Each	
9	Beckman thermometer (Digital)150 C			
10	Blow Pipe-12 inch	Brass	20	
11	Buchner Funnel Cap-35ml		6	
13	Bunsen Burner Heavy base with Regulator		Each	
14	Burette Stand with clamp&filtering clamp	Poly lab	30	
15	Burette 50ml.	Poly lab	30	
16	Burette 50ml.	BOROSIL	30	
17	Burette Stand with holder	TARSON	Each	
18	Capillary tube (One end seal)			
19	Carboy Bottle glass 20lit			
20	Charcoal Block	Pkt.		
21	CHARTS for Chemistry	Bio Visual	Each	
22	China dish	Each		



23	Clay Pipe Triangle		10	
24	Conical Flask-150ml	BOROSIL	20	
25	Conical Flask-250ml	BOROSIL	30	
26	Conical Flask-500ml	BOROSIL	4	
27	Crystallini dish-100X50mm			
28	Descicator (200MM)		4	
29	Double Blue glass			
30	Filter Paper No-42 11cm dia		6Pkt	
31	Filter Paper Size-46X46cm		6Pkt	
32	Flat bottomed Flask(500ml.)	BOROSIL	5	
33	Funnel-2"dia	BOROSIL	30	
34	Funnel-4"dia	BOROSIL	30	
35	Glass Pipe	1 Kg.	2Kg	
36	Glass Tube	1Kg.		
37	Keep"s Apparatus Lit.1Lit.	BOROSIL	Each	
38	Magnetic Bar (30mm)		Each	
39	Measuring Cylinder B-1000ml	BOROSIL	1	
40	Measuring Cylinder B-100ml	BOROSIL	1	
41	Measuring Cylinder B-10ml	BOROSIL	1	
42	Measuring Cylinder B-20ml	BOROSIL	1	
43	Measuring Cylinder B-250ml	BOROSIL	1	
44	Measuring Cylinder B-500ml	BOROSIL	1	
45	Measuring Cylinder B-50ml	BOROSIL	1	
46	Measuring Cylinder B-5ml	BOROSIL	1	
47	Measuring Flask-1000ml	BOROSIL	1	
48	Measuring Flask-100ml	BOROSIL	10	
49	Measuring Flask-250ml	BOROSIL	30	
50	Measuring Flask-500ml	BOROSIL	2	
51	Mortar and pestle (chaina)--2"		8	
52	Mortar and pestle (chaina)--4"		8	
53	Ordinary Filter paper	SHEET	100	
54	Ostwald Viscometer 80-100S		20	
55	pH paper(2.00--10.5)			
56	Pipette (Gr)-10ml	BOROSIL	8	
57	Pipette (Gr)-5ml	BOROSIL	6	
58	Pipette Stand(28)	TARSON	30	
59	Pipette-cap-10ml	BOROSIL	30	
60	Pipette-cap-1ml	BOROSIL	2	
61	Pipette-cap-20ml	BOROSIL	10	
62	Pipette-cap-25ml	BOROSIL	10	
63	Pipette-cap-5ml	BOROSIL	2	
64	Porcelain Basine-3 Inch dia		10	



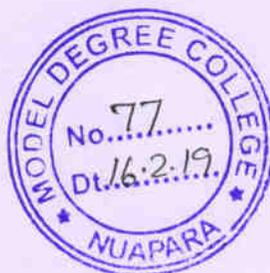
65	Precision Thermometer (110 C)	omson	6	
66	Reagent Bottle Amber Colored -100ml	BOROSIL	Each	
67	Reagent Bottle Amber Colored -250ml	BOROSIL	Each	
68	Reagent Bottle(250ml)		200	
69	Round bottomed Flask(250ml.)	BOROSIL	5	
70	Rubber Pipe for LPG	Indane	10mts.	
71	Ruber Tube for Viscometer			
72	Separating Funnel(B)-100ml	BOROSIL	6	
73	Separating Funnel(B)-250ml	BOROSIL	6	
74	Separating Funnel(B)-500ml	BOROSIL	6	
75	Sintered Glass Crucible G3 & G4 Cap-30ml			
76	Sintered Glass Gouch Crucible 30ml			
77	Spatula	S.S.	Each	
78	Specific Gravity Bottle Cap-25ml	BOROSIL	kg	
79	Specific Gravity Bottle Cap-50ml	BOROSIL	Each	
80	Stalgomometer ( Set of Three)		Each	
81	Stoppered Bottle B-500ml	BOROSIL	6	
82	Stoppered bottle-250ml.	BOROSIL	20	
83	Test tube Holder	Brass	24	
84	Test tube Stand (6 hole & 6 peg)		10	
85	Tong pair( S.S.)		20	
86	Triangular File		6	
87	Tripod Stand		10	
88	Vaccum desicator Plastic-250mm		4	
89	Watch glass-2"			
90	Watch glass-4"			
91	Water bath-75mm 7Hole		10	
92	Weighing Bottle-B-15ml	BOROSIL	6	
93	Whatman Filter paper(42)		10Pkt.	
94	Whatman Filter paper(sheet)		100	
95	White Porcelain Tile		32	
96	Wire Gauge(S.S.)		20	
<b>B</b>	<b>NAME OF EQUIPMENTS</b>	<b>Model</b>	<b>Unit</b>	
1	Boiling Point Apparatus		Each	
2	Melting Point Apparatus (Manual)	Supertek	Each	
3	Paper Chromatography Appts :-	RESCULAR	Each	
	the cabinet is made seasoned wood.all internal surface are			
	heavily coated with wax to make these resistants to most solvents/			
	Tight closing is by special clamp rubber gasket are throught			
	the cabinet has glass windows on all four sides castors.			
	Cabinet size-60X30X60cm approx for 4 filter paper of 46X57Cm.			
	Chromatography Paper:- size-46X57Cm			
	Thin Layer Chromatography Kit		Each	



4	Thin Layer Chromatography Kit , Comprising of moveable applicator (Spreader) with built in arrangement, 0-2 mm, perspex base plate 114 x 23 cm., Aluminum Carrier, perspex spotting temp plate, developing chamber with lid, five T.L.C. plates 20 x 20 cm., two T.L.C. plates 20 x 5 cm., scriber for marking lines, micropipette and glass sprayer with rubber bellow. With Chrome plated Brass Applicator Thermometer Least Count 0.1deg Centi	J-Lab		
	a) upto 150deg cent		Each	
	b) upto 200 deg C		Each	
5	High Temperature Oil bath :- SECOR Make	Super Tech	Each	
	Double walled inside made of Heavy gauge SS. Outer mild steel duly powder coated.			
	Temp from Room Temp to 250de Cent. Is controlled by Thermostat.			
	To operate on 220V ac Only. Supplied fitted with Good Qaulity Oill Heater.			
7	Vaccum Pump :-			
	ROCKYVAC 300 Vacuum Pump for above Filtration Assembely :-(oil Free)		Each	
	Compact Light aluminium die cast construction			
8	Hot Air Oven : SUPERTECH Make	Super Tech	Each	
	Doubled walled inner chamber made of Thick Steel and outer made of heavy M.Steel duly powder coated.Inner chamber is provided with 2/3 nos perforated stainless Steel.Digital temp indicator cum controller is fitted			
	Heating is done with ISI mark heating elemnts made form ni chrome heating wire .Air circulating fan to maitain the uniformity of the temp.			
	Temperature range 5oC above ambient to 250oC.			
	Work On 220V Ac only			
	Inside Chamber (WXDXH)			
	Size-12"X12"X12" Work on 220vAC			
9	Digital pH Meter with Electrode	Model-335	Each	
	SYSTRONICS Make			
	Manual Control Range-01-14Ph			
10	Revolutionary Reasearch Centrifuge			
	REMI Make	R-24	Each	
	ACCE.			
	Rotor Heads for R-24/PR-24			
	a)6 X25ml		Each	
	b)8X25ml		Each	
	c)6X50ml		Each	



11	Calorie Meter 4" x3"	J- lab	Each	
12	Colorimeter Digital SYSTRONICS	Model-115	Each	
13	Digital Conductivity Meter with Cell (SYSTRONICS)	MODEL-306	Each	
		MODEL-304		
14	Digital Potentiometer (SYSTRONICS)	Model-318	Each	
15	Magnetic Stirrer with Hot Plate & Digital Speed Indicator :- (REMI)	Model-2MLH	Each	
	PMDC motor gives high torque even at lower speeds and			
	maintains speed stability despite viscosity or volume changes.			
	Accurate steeples speed control allows smooth variation upto1200RPM			
	Stirring is accomplished by a small teflon coated Paddle.			
16	Mechanical stirrer( Laboratory Stirrers) REMI	Model-RQ-5 Plus	Each	
17	Dissolve oxygen Meter Digital (SYSTRONICS)	Model-314	Each	
18	Electronic Digital Balance (CONTECH)	CAH 223		
19	UV - Spectrophotometer Digital :- SYSTRONICS	Model-118	Each	
		Model-119	Each	
20	Vis- Spectro Photometer (SYSTRONICS)	Model-104	Each	
21	Stop Watch (RACER)		4	
22	Distilled Water Plant( Deioniser--50Lit.)	Super Tech	Each	



**MODEL DEGREE COLLEGE, NUAPADA, KHARIAR, BOTANY DEPTT.**

SL.NO.	NAME OF THE EQUIPMENT	BRAND	SPECIFICATION	QUANTITY
1	COMPOUND STUDENT MICROSCOPE	OLYMPUS		10
2	OPTICAL MICROSCOPE	WESWOX OPTICS	WESWOX OPTICS MONOCULAR INCLINED MICROSCOPE	5
3	UV-VISIBLE SPECTROPHOTOMETER	SYSTRONICS	MODEL-118	1
4	ADVANCE UV-VISIBLE SPECTROPHOTOMETER	LABTRONICS	MODEL-LT-291	1
5	DIGITAL pH METER WITH ELECTRODE TYPE	SYSTRONICS	MODEL-361	1
6	BENCHTOP CENTRIFUGE	REMI	MODEL NO.-MEDICOPLUS	1
7	INCUBATOR	YOMA		1
8	LABORATORY VACCUM OVEN	U-TECH		
9	VERTICAL AUTOCLAVE	U-TECH	MATERIAL-STAINLESS, CHAMBER VOLUME(22-98L), SEMIAUTOMATIC, RUST PROOF	1
10	BOROSILICATE GLASS DOUBLE DISTILLATION UNIT	U R BIOCOCTION	MODEL-DUSG-AC	1
11	LOYAL LAMINAR AIR FLOW CABINET	LOYAL		1
12	HORIZONTAL GEL ELECTROPHORESIS	GeNei		1
13	MICROPIPETTE	DRAGON LAB	VOLUME (5-50microL)	2
		Dr. PETTE	VOLUME (0.1-100microL)	2
14	MICROPIPETTE TIP		CAT NO.-BS/003/WM, WHITE (0.5-5m	1 (100Pcs)
			CAT NO.-BS/003/WL, WHITE (1-10mL)	1 (100Pcs)
15	HOT PLATE STIRRER (MAGNETIC)	LABMAN		1
16	WATER BATH	DM BARND	MILD STEEL, SIZE: 430 380 570 mm	1
17	HAEMOCYTOMETER	GDR		1
18	WATER AND SOIL ANALYSIS KIT	SYSTRONICS		1
19	DIGITAL COLORIMETER	SYSTRONICS		1
20	MORTAR AND PESTLE			5
21	BUNSEN BURNER			2
22	DROPPER			5
23	NEEDLE			5
24	FORCEP			5
25	SCISSOR			2
26	INOCULATION LOOP			5
27	MICROFUGE TUBE			20
28	MICROFUGE TUBE STAND			5
29	SPIRIT LAMP			10

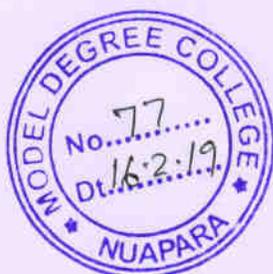


30	TONGS			10
31	STAINING CAVITY			20
32	CAPILLARY TUBE			
33	NITRILE GLOVE			
34	ALUMINIUM FOIL			
35	DRYING RACK			
36	PIPETTE RACK			
37	TEST TUBE RACK			20
38	TEST TUBE BRUSH			5
39	FILTER PAPER			
40	SPATULA(MICROSPOON)			5
41	STOP WATCH			2
42	TEST TUBE CLAMP			10
43	HERBARIUM PRESS			1
44	SLIDE BOXES AND CABINE			2
45	INVERTER WITH BATTERY	LUMINOUS	PHASE-SINGLE,RELATIVE HUMIDITY-20-80%,OUTPUT TYPE-SINGLE,INPUT VOLTAGE-12V,POWER FACTOR-0.75,OUTPUT VOLTAGE-220-230V,OUTPUT FREQUENCY-50Hz	1
46	COLORIMETERS	SYSTRONICS	MODEL-115	1



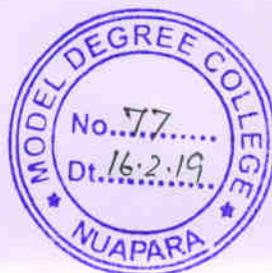
### (A) LIST OF GLASSWARE-BOT

SL.NO.	NAME OF ITEM	BRAND	SPECIFICATION	O.D OF TUBE(mm)	LENGTH(mm)	QUANTITY
1	WILLMOTT'S BUBBLER	BOROSIL/ RIVIERA				10
2	GANONG'S POTOMETER	BOROSIL/ RIVIERA				10
3	BEAKER	BOROSIL/ RIVIERA	50mL			10
			100mL			10
			500mL			5
			1000mL			5
4	ERLENMEYER FLASK	BOROSIL	100mL			20
			250mL			20
			500mL			20
5	GRADUATED MEASURING CYLINDER	BOROSIL	10mL			20
			50mL			20
			100mL			20
6	VOLUMETRIC FLASK	BOROSIL	50mL			20
			100mL			20
7	GRADUATED TEST TUBE	BOROSIL	10mL	14	130	50
			20mL	17	165	50
			30mL	19	180	50
8	TEST TUBE WITH RIM PLANE	BOROSIL		12	100	50
				15	100	50
				15	150	50
9	WATCH GLASS	DIAMETER	50mm			20
			60mm			20
			70mm			20
10	PETRI DISH	BOROSIL	COVER DIA(mm)	BOTTOM DIA(mm)	HEIGHT(mm)	
			82	75	15	20
			98	90	18	20
11	PIPETTE(GRADUATED)	BOROSIL	1mL			5
			5mL			5
			10mL			5
12	CRYSTALLIZATION DISH					5
13	STORAGE BOTTLE					10
14	DROPPING BOTTLE					10
15	WASH BOTTLE					10
16	SPECIMEN BOTTLE					10
17	REAGENT BOTTLE					10
18	THERMOMETER					1



**(B) LIST OF CHEMICALS-BOT**

SL.NO.	NAME OF CHEMICAL	BRAND			
			45	PHENOL	MERCK
1	GRAM'S IODINE SOLUTION	MERCK	46	RNASE	MERCK
2	SAFFRANIN STAIN SOLUTION	MERCK	47	SDS	MERCK
3	ETHANOL ABSOLUTE	MERCK	48	EDTA	MERCK
4	COTTON BLUE	MERCK	49	DIPHENYLAMINE REAGENT	MERCK
5	LECTOPHENOL	MERCK	50	CHLOROFORM	MERCK
6	GLYCEROL	MERCK	51	SODIUM THIOSULFATE	MERCK
7	ACETIC ACID(GLACIAL)	MERCK	52	ALKALI-IODIDE-AZIDE	MERCK
8	CRYSTAL VIOLET	MERCK	53	SODIUM BICARBONATE	MERCK
9	DPX MOUNTANT	MERCK	54	AGAR-AGAR	MERCK
10	SODIUM CHLORIDE	MERCK	55	BAP	MERCK
11	TE BUFFER	MERCK	56	NAA	MERCK
12	EXTRACTION BUFFER OF DLS	MERCK	57	MYO-INOSITOL	MERCK
13	ISOPROPYL ALCOHOL	MERCK	58	AMMONIA	MERCK
14	ISO AMYL ALCOHOL	MERCK	59	PROPAN-2-OL	MERCK
15	MANGANESE SULFATE	MERCK			
17	ETHYL ALCOHOL	MERCK			
18	MOLISCH'S REAGENT	MERCK			
19	CONC. SULFURIC ACID	MERCK			
20	IODINE REAGENT	MERCK			
21	FEHLING'S SOLUTION A	MERCK			
22	FEHLING'S SOLUTION B	MERCK			
23	BENEDICT'S SOLUTION	MERCK			
24	CuSO <sub>4</sub>	MERCK			
25	BARFOED'S REAGENT	MERCK			
26	PHENOLPHTHALEIN SOLUTION	MERCK			
27	ALCOHOLIC KOH SOLUTION	MERCK			
28	GLYCEROL SOLUTION	MERCK			
29	POTASSIUM DICHROMATE SOLUTION	MERCK			
30	CONC. NITRIC ACID	MERCK			
31	NINHYDRIN SOLUTION	MERCK			
32	MILLON'S REAGENT	MERCK			
33	HAEMATOXYLIN	MERCK			
34	EOSIN	MERCK			
35	POTASSIUM ALUM	MERCK			
36	MERCURIC OXIDE	MERCK			
37	METHANOL	MERCK			
38	OG-6(ORANGE)	MERCK			
39	HYDROCHLORIC ACID	MERCK			
40	TRYPTONE-5N	MERCK			
41	NaOH	MERCK			
42	YEAST EXTRACT	MERCK			
43	TRIS-BASE(CALBIOCHEM-BEHRING)	MERCK			
44	PROTEINASE K (SIGMA- ALDRICH)	MERCK			



MODEL DEGREE COLLEGE, NUAPADA

ZOOLOGY DEPARTMENT

LIST OF MUSEUM SPECIMEN

SL NO	NAME OF ITEMS	MANUFACTURE	SPECIFICATION	QUANTITY
1.	SYCON	BIOTEC & SCIENTIFIC INDUSTRIES		1
2.	HYLONEMA	BIOTEC & SCIENTIFIC INDUSTRIES		1
3.	EUPLECTELLA	BIOTEC & SCIENTIFIC INDUSTRIES		1
4.	SPONGILLA	BIOTEC & SCIENTIFIC INDUSTRIES		1
5.	OBELIA	BIOTEC & SCIENTIFIC INDUSTRIES		1
6.	PHYSALIA	BIOTEC & SCIENTIFIC INDUSTRIES		1
7.	MILLEPORA	BIOTEC & SCIENTIFIC INDUSTRIES		1
8.	AURELIA	BIOTEC & SCIENTIFIC INDUSTRIES		1
9.	TUBIPORA	BIOTEC & SCIENTIFIC INDUSTRIES		1
10.	CORALLIUM	BIOTEC & SCIENTIFIC INDUSTRIES		1
11.	ALCYNIUM	BIOTEC & SCIENTIFIC INDUSTRIES		1
12.	GORGONIA	BIOTEC & SCIENTIFIC INDUSTRIES		1
13.	METRIDIUM	BIOTEC & SCIENTIFIC INDUSTRIES		1
14.	PENNATULA	BIOTEC & SCIENTIFIC INDUSTRIES		1
15.	FUNGIA	BIOTEC & SCIENTIFIC INDUSTRIES		1
16.	MEANDRINA	BIOTEC & SCIENTIFIC INDUSTRIES		1
17.	MEDREPORA	BIOTEC & SCIENTIFIC INDUSTRIES		1
18.	CTENOPLANA	BIOTEC & SCIENTIFIC INDUSTRIES		1
19.	CESTUM	BIOTEC & SCIENTIFIC INDUSTRIES		1
20.	TAENIA SOLIUM	BIOTEC & SCIENTIFIC INDUSTRIES		1
21.	ASCARIS LUMBRICOIDES (MALE)	BIOTEC & SCIENTIFIC INDUSTRIES		1
22.	ASCARIS LUMBRICOIDES (FEMALE)	BIOTEC & SCIENTIFIC INDUSTRIES		1
23.	NEREIS	BIOTEC & SCIENTIFIC INDUSTRIES		1
24.	HETERONEREIS	BIOTEC & SCIENTIFIC INDUSTRIES		1
25.	SABELLA	BIOTEC & SCIENTIFIC INDUSTRIES		1
26.	HIRUDINARIA	BIOTEC & SCIENTIFIC INDUSTRIES		1
27.	PHERETIMA PROSTHOMA	BIOTEC & SCIENTIFIC INDUSTRIES		1
28.	LIMULUS	BIOTEC & SCIENTIFIC INDUSTRIES		1
29.	PALAMNAEUS	BIOTEC & SCIENTIFIC INDUSTRIES		1
30.	PALEMON	BIOTEC & SCIENTIFIC INDUSTRIES		1
31.	SACCULINA	BIOTEC & SCIENTIFIC INDUSTRIES		1
32.	CANCER	BIOTEC & SCIENTIFIC INDUSTRIES		1
33.	EUPAGURUS	BIOTEC & SCIENTIFIC INDUSTRIES		1
34.	BOMBYX MORI (MALE)	BIOTEC & SCIENTIFIC INDUSTRIES		1
35.	BOMBYX MORI (FEMALE)	BIOTEC & SCIENTIFIC INDUSTRIES		1
36.	PERIPATUS	BIOTEC & SCIENTIFIC INDUSTRIES		1
37.	SCOLOPENDRA	BIOTEC & SCIENTIFIC INDUSTRIES		1
38.	JULUS	BIOTEC & SCIENTIFIC INDUSTRIES		1
39.	HONEY BEE (QUEEN)	BIOTEC & SCIENTIFIC INDUSTRIES		1
40.	HONEY BEE (DRONE)	BIOTEC & SCIENTIFIC INDUSTRIES		1
41.	HONEY BEE (WORKER)	BIOTEC & SCIENTIFIC INDUSTRIES		1
42.	CHITON	BIOTEC & SCIENTIFIC INDUSTRIES		1
43.	DENTALIUM	BIOTEC & SCIENTIFIC INDUSTRIES		1
44.	PILA	BIOTEC & SCIENTIFIC INDUSTRIES		1
45.	OCTOPUS	BIOTEC & SCIENTIFIC INDUSTRIES		1
46.	SEPIA	BIOTEC & SCIENTIFIC INDUSTRIES		1
47.	NAUTILUS	BIOTEC & SCIENTIFIC INDUSTRIES		1
48.	UNIO	BIOTEC & SCIENTIFIC INDUSTRIES		1
49.	OSTREA	BIOTEC & SCIENTIFIC INDUSTRIES		1
50.	ASTERIAS	BIOTEC & SCIENTIFIC INDUSTRIES		1
51.	OPHIURA	BIOTEC & SCIENTIFIC INDUSTRIES		1
52.	ECHINUS	BIOTEC & SCIENTIFIC INDUSTRIES		1
53.	CUCCUMARIA	BIOTEC & SCIENTIFIC INDUSTRIES		1
54.	ANTEDON	BIOTEC & SCIENTIFIC INDUSTRIES		1
55.	BALANOGLOSSUS	BIOTEC & SCIENTIFIC INDUSTRIES		1
56.	HERDMANIA	BIOTEC & SCIENTIFIC INDUSTRIES		1



57.	AMPHIOXUS	BIOTEC & SCIENTIFIC INDUSTRIES		1
58.	PETROMYZON	BIOTEC & SCIENTIFIC INDUSTRIES		1
59.	MYXINE	BIOTEC & SCIENTIFIC INDUSTRIES		1
60.	SCOLIODON	BIOTEC & SCIENTIFIC INDUSTRIES		1
61.	SPHYRNA	BIOTEC & SCIENTIFIC INDUSTRIES		1
62.	TORPEDO	BIOTEC & SCIENTIFIC INDUSTRIES		1
63.	HETEROPNEUSTUES	BIOTEC & SCIENTIFIC INDUSTRIES		1
64.	LABEO ROHITA	BIOTEC & SCIENTIFIC INDUSTRIES		1
65.	EXOCOETUS	BIOTEC & SCIENTIFIC INDUSTRIES		1
66.	ECHINEIS	BIOTEC & SCIENTIFIC INDUSTRIES		1
67.	ANGUILLA	BIOTEC & SCIENTIFIC INDUSTRIES		1
68.	HIPPOCAMPUS(MALE)	BIOTEC & SCIENTIFIC INDUSTRIES		1
69.	ANABAS	BIOTEC & SCIENTIFIC INDUSTRIES		1
70.	ICTHYOPHIS	BIOTEC & SCIENTIFIC INDUSTRIES		1
71.	NECTURUS	BIOTEC & SCIENTIFIC INDUSTRIES		1
72.	BUFO	BIOTEC & SCIENTIFIC INDUSTRIES		1
73.	ALYTES	BIOTEC & SCIENTIFIC INDUSTRIES		1
74.	SALAMANDRA	BIOTEC & SCIENTIFIC INDUSTRIES		1
75.	CHELON	BIOTEC & SCIENTIFIC INDUSTRIES		1
76.	TRIONYX	BIOTEC & SCIENTIFIC INDUSTRIES		1
77.	VARANUS	BIOTEC & SCIENTIFIC INDUSTRIES		1
78.	UROMASTIX	BIOTEC & SCIENTIFIC INDUSTRIES		1
79.	CHAMAELEON	BIOTEC & SCIENTIFIC INDUSTRIES		1
80.	DRACO	BIOTEC & SCIENTIFIC INDUSTRIES		1
81.	OPHISAURUS	BIOTEC & SCIENTIFIC INDUSTRIES		1
82.	BUNGARUS	BIOTEC & SCIENTIFIC INDUSTRIES		1
83.	VIPER	BIOTEC & SCIENTIFIC INDUSTRIES		1
84.	NAJA NAJA	BIOTEC & SCIENTIFIC INDUSTRIES		1
85.	HYDROPHIS	BIOTEC & SCIENTIFIC INDUSTRIES		1
86.	ZAMENIS	BIOTEC & SCIENTIFIC INDUSTRIES		1
87.	MEGACHIROPTERA	BIOTEC & SCIENTIFIC INDUSTRIES		1
88.	FUNAMBULUS	BIOTEC & SCIENTIFIC INDUSTRIES		1
89.	SOREX	BIOTEC & SCIENTIFIC INDUSTRIES		1

LIST OF PERMANENT SLIDES

SL NO	NAME OF ITEMS	MANUFACTURE	SPECIFICATION	QUANTITY
1.	WM OF PARAMEICUM	BIOTECH		
2.	WM OF PARAMEICUM BINARY FISSION	BIOTECH	BEST QUALITY	1
3.	WM OF PARAMEICUM CONJUGATION	BIOTECH	BEST QUALITY	1
4.	TS THROUGH SYCON	BIOTECH	BEST QUALITY	1
5.	WM OF FASCIOLA HEPATICA	BIOTECH	BEST QUALITY	1
6.	WM OF MIRACIDIUM LARVA	BIOTECH	BEST QUALITY	1
7.	WM OF SPORO CYST LARVA	BIOTECH	BEST QUALITY	1
8.	WM OF REDIA LARVA	BIOTECH	BEST QUALITY	1
9.	WM OF CERCARIA LARVA	BIOTECH	BEST QUALITY	1
10.	WM OF MATURE SEGMENT OF TAENIA	BIOTECH	BEST QUALITY	1
11.	WM OF GRAVID SEGMENT OF TAENIA	BIOTECH	BEST QUALITY	1
12.	WM OF CYSTICERCUS LARVA OF TAENIA	BIOTECH	BEST QUALITY	1
13.	TS THROUGH PHARYNX OF EARTHWORM	BIOTECH	BEST QUALITY	1
14.	TS THROUGH GIZZARD OF EARTHWORM	BIOTECH	BEST QUALITY	1
15.	WM OF GLOCHIDIUM LARVA	BIOTECH	BEST QUALITY	1
16.	WM OF DAPHNIA	BIOTECH	BEST QUALITY	1
17.	LS THROUGH ANTERIOR REGION OF BALANOGLOSSUS	BIOTECH	BEST QUALITY	1
18.	TS THROUGH PROBOSCIS REGION OF BALANOGLOSSUS	BIOTECH	BEST QUALITY	1
19.	SECTION THROUGH PHARYNGEAL REGION OF AMPHIOXUS	BIOTECH	BEST QUALITY	1
20.	WM OF HERMANIA SPICULES	BIOTECH	BEST QUALITY	1
21.	SECTION THROUGH INTESTINE OF	BIOTECH	BEST QUALITY	1



AMPHIOXUS				
22.	SECTION THROUGH CAUDAL REGION OF AMPHIOXUS	BIOTECH	BEST QUALITY	1
23.	TS THROUGH MAMMALIN SKIN	BIOTECH	BEST QUALITY	1
24.	TS THROUGH MAMMALIAN CARTILAGE	BIOTECH	BEST QUALITY	1
25.	TS THROUGH MAMMALIAN BONE	BIOTECH	BEST QUALITY	1
26.	TS THROUGH MAMMALIAN SPINAL CORD	BIOTECH	BEST QUALITY	1
27.	WM OF MAMMALIAN NERVE CELL	BIOTECH	BEST QUALITY	1
28.	TS OF MAMMALIAN PITUITARY GLAND	BIOTECH	BEST QUALITY	1
29.	TS OF MAMMALIAN PANCREAS	BIOTECH	BEST QUALITY	1
30.	TS OF MAMMALIAN TESTIS	BIOTECH	BEST QUALITY	1
31.	TS OF MAMMALIAN OVARY	BIOTECH	BEST QUALITY	1
32.	TS OF MAMMALIAN ADRENAL	BIOTECH	BEST QUALITY	1
33.	TS OF MAMMALIAN THYROID	BIOTECH	BEST QUALITY	1
34.	TS OF MAMMALIAN OESOPHAGUS	BIOTECH	BEST QUALITY	1
35.	TS OF MAMMALIAN STOMACH	BIOTECH	BEST QUALITY	1
36.	TS OF MAMMALIAN DUODENUM	BIOTECH	BEST QUALITY	1
37.	TS OF MAMMALIAN ILEUM	BIOTECH	BEST QUALITY	1
38.	TS OF MAMMALIAN RECTUM	BIOTECH	BEST QUALITY	1
39.	TS OF MAMMALIAN TRACHEA	BIOTECH	BEST QUALITY	1
40.	TS OF MAMMALIAN LUNG	BIOTECH	BEST QUALITY	1
41.	TS OF MAAMMALIAN KIDNEY	BIOTECH	BEST QUALITY	1
42.	WM OF CHICK EMBRYO OF 13 HOURS	BIOTECH	BEST QUALITY	1
43.	WM OF CHICK EMBRYO OF 18 HOURS	BIOTECH	BEST QUALITY	1
44.	WM OF CHICK EMBRYO OF 21 HOURS	BIOTECH	BEST QUALITY	1
45.	WM OF CHICK EMBRYO OF 36 HOURS	BIOTECH	BEST QUALITY	1
46.	WM OF CHICK EMBRYO OF 48 HOURS	BIOTECH	BEST QUALITY	1
47.	WM OF CHICK EMBRYO OF 72 HOURS	BIOTECH	BEST QUALITY	1
48.	WM OF CHICK EMBRYO OF 96 HOURS	BIOTECH	BEST QUALITY	1
49.	WM OF CLEAVAGE STAGE OF FROG	BIOTECH	BEST QUALITY	1
50.	WM OF BLASTULA OF FROG	BIOTECH	BEST QUALITY	1
51.	WM OF GASTRULA OF FROG	BIOTECH	BEST QUALITY	1
52.	WM OF NEURULA OF FROG	BIOTECH	BEST QUALITY	1
53.	TS OF MAMMALIAN SPLEEN	BIOTECH	BEST QUALITY	1
54.	TS OF MAMMALIAN THYMUS	BIOTECH	BEST QUALITY	1
55.	TS OF MAMMALIAN LYMPNODES	BIOTECH	BEST QUALITY	1
56.	MITOSIS: PROPHASE	BIOTECH	BEST QUALITY	1
57.	MITOSIS: METAPHASE	BIOTECH	BEST QUALITY	1
58.	MITOSIS: ANAPHASE	BIOTECH	BEST QUALITY	1
59.	MITOSIS: TELOPHASE	BIOTECH	BEST QUALITY	1
60.	MEIOSIS: LEPTOTENE	BIOTECH	BEST QUALITY	1
61.	MEIOSIS: ZYGOTENE	BIOTECH	BEST QUALITY	1
62.	MEIOSIS: PACHYTENE	BIOTECH	BEST QUALITY	1
63.	MEIOSIS: DIPLTENE	BIOTECH	BEST QUALITY	1
64.	MEIOSIS: DIAKINESIS	BIOTECH	BEST QUALITY	1
65.	WM OF PLACOID SCALE	BIOTECH	BEST QUALITY	1
66.	WM OF CYCLOID SCALE	BIOTECH	BEST QUALITY	1
67.	WM OF CTENTOID SCALE	BIOTECH	BEST QUALITY	1
68.	SECTION OF SQUAMOUS EPITHELIUM	BIOTECH	BEST QUALITY	1
69.	SECTION OF STRIATED MUSCLE FIBRE	BIOTECH	BEST QUALITY	1
70.	POLYTENE CHROMOSOME	BIOTECH	BEST QUALITY	1
71.	DIFFERENT SECTION OF PLACENTA	BIOTECH	BEST QUALITY	1



.LIST OF SKELETON / MODEL

SL NO	NAME OF ITEMS	MANUFACTURE	SPECIFICATION	QUAN TITY
1.	SKELETON OF FROG		BEST QUALITY MODEL	1
2.	SKELETON OF VARANUS		BEST QUALITY MODEL	1
3.	SKELETON OF FOWL		BEST QUALITY MODEL	1
4.	SKELETON OF HUMAN		BEST QUALITY MODEL	1
5.	SKELETON OF RABBIT		BEST QUALITY MODEL	1
6.	CARAPACE OF TURTLE		BEST QUALITY MODEL	1
7.	PLASTRONE OF TORTOISE		BEST QUALITY MODEL	1
8.	SKULL OF HYAENA		BEST QUALITY MODEL	1
9.	HEART		BEST QUALITY MODEL	1
10.	LUNGS		BEST QUALITY MODEL	1
11.	KIDNEY		BEST QUALITY MODEL	1
12.	EAR		BEST QUALITY MODEL	1
13.	EYE		BEST QUALITY MODEL	1
14.	TRILOBITE		BEST QUALITY MODEL	1
15.	ARCHEOPTERYX		CAST MODEL	1
16.	PUGMARK OF TIGER		CAST MODEL	1
17.	PUGMARK OF TIGRESS		CAST MODEL	1
18.	PUGMARK OF TIGER CUB		CAST MODEL	1

LIST OF CHARTS

SL NO	NAME OF ITEMS	MANUFACTURE	SPECIFICATION	QUANTITY
1.	LIFE CYCLE OF FROG (DEVELOPMENT STAGES)	BIOVISUAL CHART	COLOURED, WATER PROOF	1
2.	CRAFTS AND GEARS USED IN FISHERIES	BIOVISUAL CHART	COLOURED, WATER PROOF	1
3.	DIFFERENT TYPES OF NEST OF BIRDS	BIOVISUAL CHART	COLOURED, WATER PROOF	1
4.	HOMOLOGOUS ORGANS	BIOVISUAL CHART	COLOURED, WATER PROOF	1
5.	ANALOGOUS ORGANS	BIOVISUAL CHART	COLOURED, WATER PROOF	1
6.	EVOLUTION OF HORSE	BIOVISUAL CHART	COLOURED, WATER PROOF	1
7.	EVOLUTION OF MAN	BIOVISUAL CHART	COLOURED, WATER PROOF	1
8.	COMMON BIRDS	BIOVISUAL CHART	COLOURED, WATER PROOF	1
9.	TYPES BEAKS IN AVES	BIOVISUAL CHART	COLOURED, WATER PROOF	1
10.	TYPES OF CLAWS IN AVES	BIOVISUAL CHART	COLOURED, WATER PROOF	1

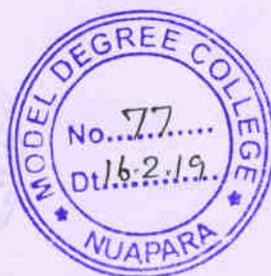


LIST OF GLASSWARE

SL NO	NAME OF ITEMS	MANUFACTURE	SPECIFICATION	QUANTITY
1.	BEAKER-50 ml	BOROSIL	Griffin, Low Form, with spout	
2.	BEAKER- 100ml	BOROSIL	Griffin, Low Form, with spout	
3.	BEAKER- 250 ml	BOROSIL	Griffin, Low Form, with spout	
4.	BEAKER- 500ml	BOROSIL	Griffin, Low Form, with spout	
5.	MEASURING CYLINDER- 50 ml	BOROSIL	Griffin, Low Form, with spout	
6.	MEASURING CYLINDER- 100ml	BOROSIL		
7.	MEASURING CYLINDER- 250ml	BOROSIL		
8.	GRADUATED PIPETTE- 1ml	BOROSIL		
9.	GRADUATED PIPETTE- 5ml	BOROSIL		
10.	GRADUATED PIPETTE- 10 ml	BOROSIL		
11.	ASPIRATOR BOTTLE- 2000 ml	BOROSIL	with GL 45 Cap and Interchangeable Stopcock	
12.	CONICAL FLASK 100ml	BOROSIL		
13.	CONICAL FLASK 250ml	BOROSIL		
14.	BOD BOTTLE 300ml	BOROSIL		
15.	SAMPLING BOTTLE 250ml	BOROSIL		
16.	FROSTED MICRO SLIDES	BLUE STAR	Size: 75mm x 25mm x 1.35mm thick.	
17.	SQURE COVER SLIPS	BLUE STAR	Size: 19mm x 19mm	
18.	BLOOD SMEAR SLIDES	BLUE STAR	Size: 75mm x 25mm x 1.35mm thick. With rounded Edges	
19.	CYLINDRICAL SPECIMEN JAR 5Lt	BOROSIL		
20.	CULTURE PETRIDISH	BOROSIL	SIZE: 100mm x 17mm	
21.	CULTURE PETRIDISH	BOROSIL	SIZE: 80mm x 17mm	
22.	BURETTES 50ml	BOROSIL	Straight Bore Stopcock	
23.	BURETTES 100ml	BOROSIL	Straight Bore Stopcock	
24.	TEST TUBE HOLDER			
25.	BURETTE STAND			
26.	TEST TUBE STAND			
27.	WATCH GLASS	BOROSIL	DIAMETER 50mm	
28.	WATCH GLASS	BOROSIL	DIAMETER 70mm	
29.	GLASS DROPPER WITH RUBBER TEATS	BOROSIL		
30.	PLASTIC WASH BOTTLE	BOROSIL	500ml	
31.	REAGENT BOTTLE			
32.	STORAGE BOTTLE			
33.	GLASS CAVITY BLOCK			
34.	CAPILLARY TUBE			
35.	AMBER CPOURED GLASS BOTTLE 250ml			
36.	ASPIRATOR BOTTLE WITH TAP		10Lt	

LIST OF CHEMICALS

SL NO	NAME OF ITEMS	MANUFACTURE	SPECIFICATION	QUANTITY
1.	RECTIFIED SPIRIT	MERCK		
2.	WBC DILUTING FLUID	MERCK		
3.	RBC DILUTING FLUID	MERCK		
4.	ANTI-A SERA	MERCK		
5.	ANTI-B SERA	MERCK		
6.	ANTI -D SERA	MERCK		
7.	FORMALIN	MERCK		



8.	SODIUM HYDROXIDE	MERCK		
9.	DIPHENYLAMINE	MERCK		
10.	GLACIAL ACETIC ACID	MERCK		
11.	SULPHURIC ACID	MERCK		
12.	ETHANOL	MERCK		
13.	METHAOL	MERCK		
14.	ACETO ALCOHOL	MERCK		
15.	ACETO CARAMINE	MERCK		
16.	ALKALI IODIDE AZIDE	MERCK		
17.	AMINO ACID ( LEU, ALA, PHE, ASP, SER)	MERCK		
18.	MANGANESE SULPHATE	MERCK		
19.	HAEMATOXYLENE STAIN SOLUTION	MERCK		
20.	HYDROCHLORIC ACID	MERCK		
21.	NINHYDRINE	MERCK		
22.	STARCH	MERCK		
23.	SODIUM THIOSULPHATE	MERCK		
24.	FEULGEN STAIN SOLUTION	MERCK		
25.	DPX	MERCK		
26.	GLYCINE	MERCK		
27.	PROPAN-2-OL	MERCK		
28.	IODINE	MERCK		
29.	SODIUM CHLORIDE	MERCK		
30.	EDTA	MERCK		
31.	AMMONIA	MERCK		
32.	DEXTRIN	MERCK		
33.	GLYCOGEN	MERCK		
34.	SODIUM NITRATE	MERCK		
35.	MERCURIC SULPHATE	MERCK		
36.	NITRIC ACID	MERCK		
37.	FRUCTOSE	MERCK		
38.	BENEDICT'S REAGENT	MERCK		
39.	BARFORD'S REAGENT	MERCK		
40.	EOSINE	MERCK		
41.	CALF THYMUS DNA	MERCK		

#### LIST OF EQUIPMENTS

SL NO	NAME OF ITEMS	MANUFACTURE	SPECIFICATION	QUANTITY
1.	MAGNIFYING GLASS WITH LIGHT			
2.	DISSECTING MICROSCOPE			10
3.	COMPOUND MICROSCOPE	OLYMPUS	EYEPIECE 10X, OBJECTIVE 10X, 40X & 100X (SPRING OIL).	10
4.	MEASURING TAPE		50 M	
5.	THERMOMETER		DIGITAL	
6.	NEUBEUR HAEMOCYTOMETER		GERMAN MADE	
7.	DIGITAL pH METER WITH ELECTRODE TYPE	SYSTRONICS	MODEL-361	
8.	LABORATORY VACCUM OVEN	U-TECH		
9.	SAHIL'S HAEMOGLOBINOMETER		GERMAN MADE	
10.	SPIRITE LAMP			
11.	ROTARY MICROTOME		ERMA TYPE	
12.	SPHYGMOMANOMETER		ISI MARK DIMOND MAKE	
13.	DIGITAL SPHYGMOMANOMETER		OMRON USA MAKE	
14.	TURBIDITY METER	SYSTRONIC		



15.	BENCHTOP CENTRIFUGE	REMI	MODEL NO.-MEDICOPLUS
16.	MICROPIPETTE	DRAGON LAB	VOLUME (5-50microL)
17.	MICROPIPETTE	Dr. PETTE	VOLUME (0.1-100microL)
18.	MICROPIPETTE TIPS		CAT NO.-BS/003/WL, WHITE (1-10mL)
19.	MICROPIPETTE TIPS		CAT NO.-BS/003/WM, WHITE (0.5-5mL)
20.	REFRIGERATOR		INVETER TECHNOLOGY
21.	DIGITAL COLORIMETER	SYSTRONICS	
22.	SCISSOR		STAINLESS STEEL
23.	FORCEP		POINTED END
24.	FORCEP		WIDE END
25.	TABLE TOP LABORATORY CENTRIFUGE		
26.	INOCULATION LOOP		
27.	ALUMINIUM FOIL		
28.	PIPETTE RACK		
29.	STAINING CAVITY		
30.	PIPETTE RACK		
31.	TEST TUBE BRUSH		
32.	FILTER PAPER		
33.	SPATULA(MICROSPHOON)		
34.	STOP WATCH		
35.	SLIDE BOXES AND CABINE		
36.	HORIZONTAL GEL ELECTROPHORESIS	GeNei	
37.	DIGITAL COLORIMETER	SYSTRONICS	
38.	MICROFUGE TUBE		
39.	MICROFUGE TUBE STAND		
40.	BUNSEN BURNER		
41.	DISSECTING BOX		



**Department of Anthropology, Model Degree College, Nuapada, Khariar**

**Biological-Physical anthropology practical laboratory**

**A) Somatometry measurements**

Important instruments:

1. Anthropometric Rod- 2
2. Spreading Caliper- blunt ended - 10
3. Sliding Caliper- blunt ended- 10
4. Weighing machine (weighting machine)- 02
5. Steel Tap scale- 02
6. Skin fold caliper -02

**B) Craniometry measurements**

Important bone:

1. Human skull without mandible – 05
2. Human skull with mandible – 05
3. Human mandible – 05

Important Instruments:

1. Sliding Caliper (pointed ended)- 10
2. Spreading caliper (pointed ended) – 10
3. Steel Tap scale- 02

**C) Osteometry practical**

Human Skeleton – 01

Important bone:

1. Long bones
  - i- Clavicle (collar bone) - 05
  - ii- Humerus - 05
  - iii- Radius - 05
  - iv- Ulna - 05
  - v- Femur - 05



- vi- Tibia- 05
  - vii- Fibula – 05
  - viii- Phalanges (hand and leg) – 03
  - ix- Ribs - 02
2. Short Bones
    - i. Tarsals and meta tarsals bone - 03
    - ii. Carpals and meta carpals bone – 03
  3. Irregular Bones
    - i. Set of vertebrae – 03
    - ii. Sacrum – 03
  4. Sesamoid Bones
    - i. Patella – 03
  5. Girdles
    - i. Scapula - 05
    - ii. Pectoral girdle / hip bone – 05

**D) Genetics Practical**

1. ABO blood group kit- 03
2. Alcohol – 05 bottle
3. Cotton -01 bundle
4. Niddle -05 packets
5. Slide (plain and cavity slide) – 05 packets

**E) Forensic Anthropology practical**

1. Microscope – 02

**For Making Fingerprints:**

- i. Porelon finger printing pads – 05
- ii. Magnifiers – 05
- iii. laminated fingerprint cards -05

**For Lifting Fingerprints:**

- i. black powder- 05 jars
- ii. black powder brushes- 05
- iii. white powder- 05 jars
- iv. white powder brushes- 05
- v. Fingerprint lifting tape



- vi. 1 jar orange powder
- vii. 1 jar magnetic powder
- viii. 1 magnetic powder applicator
- ix. 1 blue light
- x. 12 laminated fingerprint types identification cards
- xi. 1 box latex or nitrile gloves (XS for elementary grades, M for older students)
- xii. 6 feet of yellow crime scene tape

**F) Color Blindness practical**

- I. Ishihara Color Test Book- 05

**G) PTC testing**

- i. PTC Paper Strips

**Archaeological Anthropology practical**

**Prehistoric tools:**

1. Core tools
2. Flake tools
3. Blade tools
4. Microlithic tools
5. Neolithic tools

**Almirah**

1. Godrej-04

*Sun Kumar*  
16/02/2019

Head of the Department,  
Anthropology



# DEPT. OF EDUCATION

## Lab equipment & TLM

- 1) Teaching of math – Geometry Box – 5 set.
- 2) Teaching of Geography –
  - (i) Maps – world , India, Odisha , District etc ,  
(both political & physical ).
  - (ii) Globe –
  - (iii) Model of solar system, solar & lunar eclipses.
- 3) Teaching of History –
  - (i) Picture of Kings , freedom fighters
  - (ii) Picture of Historical Places.
- 4) Teaching of Science –  
Different Science experimental equipment as per class 6<sup>th</sup> , 7<sup>th</sup> and 8<sup>th</sup> .
- 5) B.B . Clothes – 30 Pcs.
- 6) Duster – 30 Pcs.
- 7) Colour Chalk .
- 8) Storewell Plain Godrej - 03



Kishore Kumar Sahu  
16.02.2019  
Signature