

**SLIST OF LABORATORY EQUIPMENT
PHYSICAL & BIOLOGICAL SCIENCES (Class VI to X)**

APPARATUS

S. No.	Name of the Item	Description	Quantity require	Price	R	N R
1	Spheres	Brass made, 1cm, 2cm diameter	5			✓
2	Glass plates (rectangular of squares)	1mm or 2mm thickness	2			✓
3	Wires	Steel, 1mm thickness	1			✓
4	Half meter scales	Graduated in cm and inches on either edges	2			✓
5	Meter scales	Graduated in cm and inches on either sides	2			✓
6	Stop clocks	Standard pattern – with start, stop and fly back or sent to zero	1			✓
7	Retort Stands	Standard pattern – with clamps	3			✓
8	Metal Bobs	With hook – 2cm diameter for Simple pendulum	2			✓
9	Split Corks	Standard pattern	2			✓
10	Simple Balance	Standard type	1			✓
11	Spring Balances	Setters or best make – rectangle vertical extensive 0-50gm with hanger)	2			✓
12	Slotted weights	With tanager 50gm – sets (set of 5 x 50gm with hanger)	2			✓
13	Clamps with pulleys		2			✓
14	Calorimeter (Copper)	Standard size with stirrer and lid with wooden enclosure	1			✓
15	Thermometers (Celsius, Fahrenheit, clinical, digital)	Mercury in glass 0-100°C × 1°C	1			✓
16	Six max-min thermometer		1			✓
17	Lead shots	For finding specific heat	100gr			✓
18	Rubber hammers	Standard type	1			✓
19	Tuning forks	Set containing 8 tuning forks Bright Steel or chromium plated INCO or ASCO	1 Sets			✓
20	Batter holders	Two cells & Four Cells	2 Each			✓
21	Concave mirrors	10cm to 12cm focal length	3			✓
22	Wooden stands	To place concave mirrors, Convex lens	20			✓
23	Convex lenses	10cm to 12cm focal length	10			✓
24	Glass slab (half circle, rectangle)		5			✓
25	Spherical mirrors		5			✓
26	Inclined mirrors		5			✓
27	Inclined board		5			✓
28	Plain concave lens	f = 15cm, 20cm	5			✓
29	Plain convex lens	f = 10cm, 15cm	2			✓
30	Double concave mirrors		5			✓
31	Double convex mirrors		5			✓
32	Convexo concave	f = 10cm, 15cm	2			✓
33	Concave convexo	f = 10cm, 15cm	2			✓
34	PVC pipes	5 meter, 1 meter	5			✓
35	Screens for Mirrors	Screens for Mirrors	20			✓

36	Equilateral prisms	Triangular section -3" side – clear crystal crown glass	1			✓
37	Batter eliminators	2V-10V Outputs /2 -5 Amps current	6			✓
38	Galvanometer	Moving coil type mounted in case table (10hm – 2ohm, 30ohm, 4ohm, 50hm)	5			✓
39	Voltmeter	Moving coil type – mounted in case table – 0 -5V ×0.1V	5			✓
40	Plug keys	Single, two way – standard type	10			✓
41	Commentators'	Plug type	10			✓
42	Rheostats	Tabular – 3 or 2" diameter 16 to 20 ohms 3 to 4A current rating with 4 terminals	2			✓
43	Ammeter	Moving coil type – mounted in case table use	5			✓
44	Connecting wires	Properly insulated	10 meters		✓	
45	Digital multimeter	Standard type	2			✓
46	Extension box		2			✓
47	Bar magnets	2" long pairs ALNICO	10			✓
48	Horse shoe magnets		10			✓
49	Round magnets		10			✓
50	Magnetic compass		10			✓
51	Rubber corks	Holed 1/2 cm	10		✓	
52	Thread		10 m		✓	
53	Rough Balance (digital)		1			✓
54	Model astronomical telescope		1			✓
55	Model terrestrial telescope		1			✓
56	V-Stand		10			✓
57	Ray Box		3			✓
58	Reflection of Sound		1			✓
59	Optical bench		2			
60	Tool kit	Items in the tool kit				✓
		9" pliers with insulating handles (2)				✓
		Wooden mallet 1 or 2kg				✓
		Hammers with handle 1kg, 1/2 kg (1 each)				✓
		Chisels with handle 1", 1/2" (1 each)				✓
		Long nose pliers with insulating handle – 2				✓
		End cutting pliers – 1				✓
		Wire drawing round pliers – 1				✓
		Metal spheres				✓
		Hard – saw – 9" blade length				✓
		Hacksaw with blade				✓
		Tenon saw				✓
		Metal scale				✓
		Bench vices small 2", Big 4"				✓
		Flat files – 6"				✓
		Round file and corner or triangular file				✓
		Set of screw drivers				✓
61	Hand drill with bet of drills		1			✓
65	Hammer and nail puller		1			✓
63	Long strong screw driver	9" , 15"	1			✓
64	Cello tape		10 role		✓	

65	Measuring Tape	20m (metal)	2			✓
66	Pinhole camera	-	5			✓
67	Periscope	-	2			✓
68	Kaleido scope	-	2			✓
69	Rectangle glass slabs	10 × 5 × 2cm	4			✓
70	Torch light	4 cells model	2			✓
71	Bell Jar	-	4			✓
72	Electric bell	-	4			✓
73	Zinc rod	10cm length	2			✓
74	Carbon rod	10cm length	2			✓
75	Dry cells	1.5V	4		✓	
76	OV electrical bulbs (torch bulbs)	-	5		✓	
77	Ball and ring apparatus	-	4			✓
78	Holes containing glass flask for parcels' law expt.	-	2			✓
79	Electric motor (working model)	-	1			✓
80	Uniform circular motion kit		1			✓
81	Series, parallel connection board		2			✓
82	Lacto meter		2			✓
83	Tuning forks		5			✓
84	Platinum loop		5			✓
85	DC motor		1			✓
86	AC motor		1			
87	AC Generator		1			
88	DC Generator		1			
89	Ohm's law apparatus		1			
90	Compass both side glasses		10			✓
91	Dynamo model	-	2			✓
92	Newton's disc	-	1			✓
93	Electro magnet	-	2			✓
94	Electrolysis of water apparatus	-	2			✓
95	Volta meter	-	2			✓
96	Hydrometer	-	2			✓
97	Digital balance		1			✓

Sl. No.	Name of the Item	Description	Quantity	Price	R	NR
98	Cork boring set		2			✓
99	Rubber corks		20		✓	
100	Standard flask – 500 ml		4			✓
101	Standard flask – 250 ml		6			✓
102	Standard flask – 100 ml		20			✓
103	Beakers – 500 ml		6			✓
104	Beakers – 250 ml		25			✓
105	Beakers – 100 ml		25			✓
106	Beakers – 100 ml	Plastic	25			✓
107	Test tubes (20ml)		100		✓	
108	Boiling test tubes		25		✓	
109	Spatulas (Steel)	Steel	25			✓
110	Capillary tubes		1Box		✓	
111	Watch glasses – 4”		20			✓
112	Watch glasses – 3”		20			✓

113	Glass rods		1 kg		✓
114	Glass tubes		1 kg		✓
115	Reagent bottles (N.M) – 250ml	Glass	25		✓
116	Reagent bottles (N.M) – 100ml	Glass	25		✓
117	Reagent bottles (Amber coloured) – 250ml	Glass	0		✓
118	Funnels – 3’	Glass	10		✓
119	Bunsen Burners	Bross base with regulator	10		✓
120	Water baths	Iron	6		✓
121	Sand baths	Iron	6		✓
122	Burettes – 50 ml	Borosil/ Teflon	10		✓
123	Pipette – 20ml	Borosil	10		✓
124	Conical flasks – 250ml	Borosil	25		✓
125	Burette stands	Iron	5		✓
126	Burette clamps	Steel	5		✓
127	Porcelain tiles / glazed tiles		5		✓
128	Measuring Jars – 1 liter	Borosil	5		✓
129	Measuring Jars – 500 ml	Borosil	5		✓
130	Measuring Jars – 25 ml	Borosil	5		✓
131	Fractional pipettes – 20ml	Borosil	4		✓
132	Tripod stands	Iron	10		✓
134	Wire gauge		10		✓
135	Weighing bottle (small)		6		✓
136	Draper with test – 8”		10		✓
137	Glass Jars		10		✓
138	Distillation set		1		✓
139	Round bottomed flasks 50ml		10		✓
140	China dishes 3”		10		✓
141	Crucibles 3”		10		✓
142	Red litmus paper packets		4		✓
143	Blue litmus paper packets		4		✓
144	Red and blue litmus solutions each 500 ml		2		✓
145	Delivery tubes bent		10		✓
146	Balloons packs		10		✓
147	Ball and stick atomic model box		4		✓
148	Beehive shelves		1		✓
149	Bell Jars with lids		3		✓
150	Water troughs		5		✓
151	Test tubes cleaning brushes		10		✓
152	Thistle funnels		2		✓
153	pH meter (Standard type)		2		✓
154	Wash Bottles(Plastic)500 MI		10		✓
Chemicals					
1	Acetic Acid	500 grams		✓	
2	Aluminium Strip	500 grams		✓	
3	Ammonia Sol	500 grams		✓	
4	Ammonium Chloride	2 × 500 grams		✓	
5	Barium Chloride	500 grams		✓	
6	Bleaching Powder	500 grams		✓	
7	Calcium Carbonate	500 grams		✓	
8	Calcium Chloride	500 grams		✓	
9	Calcium Hydroxide	500 grams		✓	
10	Copper Metal Turnings	500 grams		✓	
11	Copper Oxide	500 grams		✓	
12	Copper Sulphate	500 grams		✓	

13	Crystal Violet	500 grams			✓	
14	Ferrous Sulphate	500 grams			✓	
15	Formaldehyde	500 grams			✓	
16	Glucose/Sugar	500 grams			✓	
17	Glycerine	500 grams			✓	
18	Iodine	500 grams			✓	
19	Iron Powder	500 grams			✓	
20	Janus B Green Sol	500 grams			✓	
21	Lead Nitrate	500 grams			✓	
22	Litmus Blue	500 grams			✓	
23	Litmus Red	500 grams			✓	
24	Magnesium Hydroxide	500 grams			✓	
25	Magnesium Ribbon	500 grams			✓	
28	Methyl Orange	500 grams			✓	
29	Methylene Blue Sol	500 grams			✓	
30	Phenolphthalein	500 grams			✓	
31	Potassium Chromate	2×500 grams			✓	
32	Potassium Dichromate	500 grams			✓	
33	Potassium Hydroxide	500 grams			✓	
34	Potassium Iodide	500 grams			✓	
35	Potassium Permanganate	500 grams			✓	
36	Safranine Sol	500 grams			✓	
37	Silver Nitrate	500 grams			✓	
38	Sodium Bicarbonate	500 grams			✓	
39	Sodium Carbonate	500 grams			✓	
40	Sodium Chloride	500 grams			✓	
41	Sodium Hydroxide	500 grams			✓	
42	Sodium Sulphate	2 × 2.5 liter			✓	
43	Starch	2 × 2.5 liter			✓	
44	Stronium Chloride	2.5 liter			✓	
45	Universal Indicator	2.5 liter			✓	
46	Zinc Metal	2.5 liter			✓	
47	Zinc Sulphate	500 grams			✓	
48	Silver Bromide	500 grams			✓	
49	Silver Chloride	2 × 500 grams			✓	
50	Hydrochloric Acid	40 liters			✓	
51	Nitric Acid	500 grams			✓	
52	Sulphuric Acid	500 ml			✓	
53	Yeast	500 grams			✓	
54	Baking Soda	500 grams			✓	

CHARTS						
1	Separation of mixtures	Synthetic chart (100X70 cm)	1			✓
2	Electronic configuration and principles	Synthetic chart (100X70 cm)	1			✓
3	Metallurgical processes	Synthetic chart (100X70 cm)	1			✓
4	pH scale	Synthetic chart (100X70 cm)	1			✓
5	Functional groups, nomenclature of carbon compounds	Synthetic chart (100X70 cm)	1			✓
6	Chemical bonds (ionic, covalent)	Synthetic chart (100X70 cm)	1			✓
7	Allotropes of carbon	Synthetic chart (100X70 cm)	1			✓
8	Shapes of molecules	Synthetic chart (100X70 cm)	1			✓
9	Shapes of orbital's	Synthetic chart (100X70 cm)	1			✓
10	Reflection through mirrors	Synthetic chart (100X70 cm)	1			✓
11	Reflection through lenses	Synthetic chart (100X70 cm)	1			✓
12	Newton's laws of motion	Synthetic chart (100X70 cm)	1			✓
13	Symbols of elements	Synthetic chart (100X70 cm)	1			✓
14	Sum important Compounds and it's formulae	Synthetic chart (100X70 cm)	1			✓
15	Units of work, energy, force	Synthetic chart (100X70 cm)	1			✓
16	Electrical circuits	Synthetic chart (100X70 cm)	1			✓
17	Unit in Physics	Synthetic chart (100X70 cm)	1			✓
18	Structure of Atom	Synthetic chart (100X70 cm)	1			✓
19	Electric Motor, transformer	Synthetic chart (100X70 cm)	1			✓
20	Electro magnetic spectrum	Synthetic chart (100X70 cm)	1			✓
21	Ohms law	Synthetic chart (100X70 cm)	1			✓
22	Portraits of Isaac Newton, Rutherford, Neals Bhor, Maxplank, J.J.Thomsan	Synthetic chart (100X70 cm)	1			✓
23	Our universe (stars and solar system)	Synthetic chart (100X70 cm)	1			✓

BIOLOGICAL SCIENCE						
Sl. No.	Name of the item	Description	Quantity	Price	R	N R
	Apparatus					
1	Compound Microscope	ISI	10			✓
2	Dissection microscope	ISI	10			✓
3	Scissors (Medium size)		5			✓
4	Big forceps and small forceps		4 (2+2)			✓
5	Hand magnifying lenses		10			✓
6	Test tube stands		20			✓
7	Test tube holders		20			✓

8	Test tube washing brushes		20			✓
9	Spirit lamp		10			✓
10	Blank slides		2 boxes		✓	
11	Slide holding box 50 each		4			✓
12	Blades		5 Pkts		✓	
13	Spatula		5			✓
14	Plastic water bowls		5			✓
15	Alpins		10 packets		✓	
16	Dettol		200 ml (bottle)		✓	
17	Buckets		6			✓
18	Mugs		6			✓
19	Plastic troughs		6			✓
20	Blotting(filter) paper		5 pkts		✓	
21	Dissection trays with wax Size: 25cms*20cms*5cms	5				✓
22	Dissection boards Size: 20cms*10cms Made of soft wood and with light weight	5				✓
23	Dissection boxes	2				✓
24	Bone Cutters	2				✓
25	Hammers with nail pulling device	2				✓
28	Droppers		20			✓
29	Petri dishes (20 ml)	Glass or Plastic	1 box			✓
30	Distil water can's (small size)		20			✓
31	Cover slips		2 boxes		✓	
32	Tissue paper		2 pkts		✓	
33	Dessicator		1			✓
34	Mortar & pestle (medium size)	Porcelain	2			✓
35	Capillary tubes		5			✓
36	Brushes (0 number)		20			✓
37	Staining racks		10			✓
38	Dropping bottle		20			✓
39	Cork bores		5			✓
41	Needles		20			✓
	Apparatus					
42	Light screen apparatus		1			✓
43	Bell jar (experiments)		1			✓
44	Respiroscope (for aerobic respiration)		1			✓
45	Ganong`s photometer		1			✓
46	Osmoscope (thistle funnel)		1			✓
47	Thermos flask		1			✓
	Permanent Slides		1			✓
48	Amoeba		1			✓
49	Aspergillum		1			✓
50	Chlomidomonas		1			✓
51	Hydra		1			✓
52	Paramecium		1			✓
53	Pollen germination on stigma		1			✓
54	T.S. of young another		1			✓
55	Dicot stomata		1			✓
56	Monocot stomata		1			✓
57	Mitosis slides – set		1			✓
58	Meiosis I- set		1			✓
59	Meiosis II- set		1			✓
60	Parenchyma		1			✓

61	Collenchyma		1			✓
62	Sclerenchyma		1			✓
63	Lysogenous cavity		1			✓
64	Schizogenous cavity		1			✓
65	TS of Dicot stem		1			✓
66	TS of Dicot Root		1			✓
67	TS of Dicot leaf		1			✓
68	TS of Monocot stem		1			✓
69	TS of Monocot Root		1			✓
70	TS of Monocot leaf		1			✓
71	Xylem		1			✓
72	Phloem		1			✓
73	Plant cell		1			✓
74	Animal cell		1			✓
	Histological Slides		1			✓
75	Squamous epithelium		1			✓
76	Columnar epithelium		1			✓
77	Cuboidal epithelium		1			✓
78	T.S. of cartilage		1			✓
79	T.S. of bone		1			✓
80	Blood smear of mammal, blood groups		1			✓
81	Striated muscle		1			✓
82	Un Striated muscle		1			✓
83	Adipose tissue		1			✓
84	Areolar tissue		1			✓
85	Cardiac muscle		1			✓
86	Nerve cell		1			✓
87	T.S. of stomach		1			✓
88	T.S. of intestine		1			✓
89	T.S. of kidney		1			✓
90	T.S. of liver		1			✓
91	T.S. of pancreas		1			✓
92	T.S. of Testis		1			✓
97	T.S. of ovary		1			✓
98	Human - Digestive system		1			✓
99	Human - Respiratory system		1			✓
100	Human - Circulatory system		1			✓
101	Human – excretory		1			✓
102	Human - nephron structure		1			✓
103	Human - endocrine system		1			✓
104	Human - nervous system		1			✓
105	Human - sensory organs		1			✓
106	Human - Reproductive system (Male)		1			✓
107	Human - reproductive system (F.M)		1			✓
108	Human – skin		1			✓
109	Human – eye		1			✓
110	Human – ear		1			✓
111	Human skeleton		1			✓
112	Structure of teeth		1			✓
113	Heart internal structures (Man)		1			✓
114	Human - arterial systems		1			✓
115	Human - venous systems		1			✓
116	Human - different stages of human embryo		1			✓
117	Human - Structure of larynx		1			✓
	Specimens		1			✓
118	Taproot system	Sealed container with specimen in formaldehyde	1			✓
119	Adventitious root system	„	1			✓

120	Fibrous root system (eg.Monocot)	„	1			✓
121	Storage roots – carrot		1			✓
122	Epiphytic root – vanda		1			✓
123	Nodular root – groun nut		1			✓
124	Hydrophytes-Hydrilla		1			✓
125	Funaria plant with sporophyte		1			✓
126	Cycas corolloid roots		1			✓
127	Cycas – microsporophyll		1			✓
128	Cycas – megasporophyll		1			✓
129	Agaricus		1			✓
130	Specimen for each phylum		1 each			✓
	Charts					✓
131	Cell Organelles	Synthetic chart (100X70 cm)	1			✓
132	Bacterial Diseases in Human Being	Synthetic chart (100X70 cm)	1			✓
133	Budding in Hydra & Yeast	Synthetic chart (100X70 cm)	1			✓
134	Asexual Reproduction in Amoeba	Synthetic chart (100X70 cm)	1			✓
135	Binary & Multiple Fission	Synthetic chart (100X70 cm)	1			✓
136	Invitro Fertilisation (Test Tube Baby)	Synthetic chart (100X70 cm)	1			✓
137	Biodiversity in Species (Fungi, Flower, Fruit, Human)	Synthetic chart (100X70 cm)	1			✓
138	Biodiversity in Eco System (Desert and Marine)	Synthetic chart (100X70 cm)	1			✓
139	Prokaryotic and Eukaryotic Cells	Synthetic chart (100X70 cm)	1			✓
140	Microscope	Synthetic chart (100X70 cm)	1			✓
141	Meristamatic Tissues	Synthetic chart (100X70 cm)	1			✓
142	Types of Plant Tissues	Synthetic chart (100X70 cm)	1			✓
143	Ground Tissues	Synthetic chart (100X70 cm)	1			✓
144	Vascular Tissues	Synthetic chart (100X70 cm)	1			✓
145	Epithelial Tissues	Synthetic chart (100X70 cm)	1			✓
146	Classification of Connective Tissue	Synthetic chart (100X70 cm)	1			✓
147	Dialysis	Synthetic chart (100X70 cm)	1			✓
148	Reverse Osmosis-Water Purification	Synthetic chart (100X70 cm)	1			✓
149	Characteristics of Monocot & Dicot Plant:	Synthetic chart (100X70 cm)	1			✓
150	Stem, Leaf, Flower, Embryo, Root	Synthetic chart (100X70 cm)	1			✓
151	Micro-Organisms	Synthetic chart (100X70 cm)	1			✓
152	Flourosis	Synthetic chart (100X70 cm)	1			✓
153	Muscle Tissues	Synthetic chart (100X70 cm)	1			✓
154	Hierarchy of Classification-Ex:Human	Synthetic chart (100X70 cm)	1			✓
155	Plant Diseases, Causative Micro-organisms	Synthetic chart (100X70 cm)	1			✓
156	Marine Eco System with Zones	Synthetic chart (100X70 cm)	1			✓
157	Levels of Organisation	Synthetic chart (100X70 cm)	1			✓
158	R.H. Whittakers Five Kingdom Classification	Synthetic chart (100X70 cm)	1			✓
159	Silkworm Life History	Synthetic chart (100X70 cm)	1			✓
160	Results of Mendel's Crosses in Pea Plant (Covers the seven pairs of Contrasting Traits in	Synthetic chart (100X70 cm)	1			✓
161	Pea plant studied by Mendel)	Synthetic chart (100X70 cm)	1			✓
162	Monohybrid Cross (10+2 Level) Ex: Stem Height	Synthetic chart (100X70 cm)	1			✓
163	Dihybrid Cross (Depicts the complete dominance in F generation 1 with Phenotypic and Genotypic ratios in F2 generation)	Synthetic chart (100X70 cm)	1			✓
164	Sex Determination in Human Being	Synthetic chart (100X70 cm)	1			✓
165	Viral Diseases in Human Being	Synthetic chart (100X70 cm)	1			✓

166	Human Joints: Types					✓
167	Phases of Moon		1			✓
168	Green House Effect & Global Warming		1			✓
169	Separation of Mixtures		1			✓
170	Periodic Trends in Properties of Elements					✓
171	Electronic Configuration and Principles					✓
172	Metallurgical Processes					✓
173	pH Scale (Universal Indicator)					✓
174	Animal Kingdom-Classification					✓
175	Life History of Butterfly					✓
176	Life History of Frog					✓
177	Human Endocrine Glands					✓
178	Human Reproductive System - Male					✓
179	Human Reproductive System - Female					✓
180	Air Pollution					✓
181	Water Pollution					✓
182	Food Chain					✓
183	Human Eye					✓
184	Human Ear					✓
185	Structure of Human Skin					✓
186	Human Teeth & Tongue					✓
187	Human Blood Groups					✓
188	Components of Human Blood					✓
189	Ultra Structure of Plant Cell					✓
190	Ultra Structure of Animal Cell					✓
191	Neuron & Reflex Arc					✓
192	Human Nose					✓
193	Carbon Cycle					✓
194	Nitrogen Cycle					✓
195	Oxygen Cycle					✓
196	Water Cycle					✓
197	Food Pyramid					✓
198	Vitamins & rich food in vitamins A, B, C, D & K					✓
199	Methods of Vegetative Propagation Stem cutting,					✓
200	layering and grafting					✓
201	Vegetative Propagation through Leaves, Stem and Root					✓
202	Foreign Scientists					✓
203	Foreign Scientists					✓
204	Human Central & Peripheral Nervous System (Spinal Cord & Brain)					✓
205	Human Respiratory System					✓
206	Flower and it's Parts					✓
207	Self Pollination & Fertilization					✓
208	Cross Pollination					✓
209	Human Circulatory System					✓
210	Indian Scientists & their Discoveries- I					✓
211	Indian Scientists & their Discoveries- II					✓
212	Dicot Leaf					✓
213	Calvin Cycle (Dark Reaction)					✓

	(Carbon Dioxide fixation/ Carbon assimilation)					
214	Glycolysis and Electron Transport System					✓
215	Krebs Cycle					✓
216	Light Reaction					✓
217	Photosynthesis Experiments					✓
218	Evolution of Man					✓
219	Embryological Evidences					✓
220	Homologous and Analogous Organs					✓
221	Human Embryo Development-I					✓
222	Human Embryo Development-II					✓
223	Human Lungs					✓
224	Human Kidney					✓
225	Human Lymphatic System					✓
226	Human Intestine - Large					✓
227	Human Intestine - Small					✓
228	HIV Virus					✓
229	Plasmodium Life Cycle in Human					✓
230	Plasmodium Life Cycle in Mosquito					✓
231	Earthworm Blood Vascular System					✓
232	Earthworm Reproductive System					✓
233	Cockroach Respiratory System					✓
234	Branchial Respiration Fish Gills and Scales					✓
235	Frog Reproductive System-Male					✓
236	Frog Reproductive System-Female					✓
237	Euglena (Structure, Reproduction & Euglenoid Movement) ` 261/-					✓
238	Amoeba Structure and Nutrition					✓
239	Cockroach Blood Circulatory System (Tracheal Respiration)					✓
240	Mendelism - II					✓
242	(Covers the topic of Test cross and Back cross by taking flower colour as an example)					✓
243	Mendelism - III (Law of Independent assortment and law of Segregation)					✓