

PHYSICS

SL NO	ITEM DESCRIPTION	QTY	UOM
1	JOULES CALORIMETER SETUP	1	SET
2	FLYWHEEL SETUP	1	SET
3	CARREY FOSTER BRIDGE	1	SET
4	ZENER DIODE KIT	1	SET
5	RHEOSTAT	1	SET
6	LOGIC GATES KIT	1	SET
7	HALF ADDER/SUBTRACTOR KIT	1	SET
8	MOSFET TRAINER KIT	1	SET
9	JFET TRAINER KIT	1	SET
10	FLIP- FLOP MASTER SLAVE KIT	1	SET
11	P.N. JUNCTION DIODE KIT	1	SET
12	NPN AND PNP TRANSISTOR KIT	1	SET
13	OP AMP KIT	1	SET

Anand
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1.	Sulphuric acid.	2.5 L
2	Hydrochloric Acid	2.5 L
3	Nitric Acid	2.5 L
4	Acetic Acid	2.5 L
5	Oxalic Acid	500 g
6	Sodium Carbonate	500 g
7	Ferrous Sulphate.	500 g
8	pot. Chromate.	500 g
9	pot. Dichromate.	500 g
10	pot. permanganate	500 g
11	Potassium Iodide	3x100 gm
12	pot. Thiocyanate	500 g
13	Polyvinyl alcohol.	500 ml.
14	Ethyl Alcohol	1.5 Litre.
15	Acetone	500 ml.
16	Mohr's Salt.	1 kg
17	Sodium Bicarbonate	500 g
18	Sodium Hydroxide	1 kg.
19	Sodium Thio Sulphate	500 g
20	Silver nitrate	23 g
21	Sodium Acetate	500 g
22	Ammonium Chloride	1 kg
23	Benzene Acid	500 g
24	Acetanilide	500 g
25	n- Butanol.	500 ml.
26	Benzene	500 ml
27	Cyclohexane.	500 ml.

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28	Carbon tetrachloride	500
29	Iodine	100
30	Phenol	500
31	Aniline	500
32	Acetanilide	500
33	Copper Sulphate	500
34	Ammonio. Thiocyanate	500
35	Quinohydram	100
36	EDTA	100
37	Methyl orange	50
38	Methyl red	50
39	Phenolphthalein	50
40	Para toluidine	500
41	Ethyl Acetate	500
42	Ethyl acetate Fructose	500 g
43	Isopropanol	500
44	Glycine	500
45	Leucine	500
46	Lysine	500
47	Proline	500
48	Dimethyl gly oxime	250
49	Nickel Ammonio. Sulphate	250
50	Nitrohydram solution	250
51	Anisaldehyde	250
52	Distilled water	5 litm.
53	Activated Charcoal	500

Sl. No	Name of Article	Quantity	Unit Price	Total
1	Beaker, Tall form Borosil. 500 ml	06		
2	Beaker - Borosil - 250 ml	10		
3	Conical flask - (Borosil) - 250 ml	10		
4	Funnel - Borosil - 3"	10		
5	Burette - Borosil - 50 ml	10		
6	Pipette - Borosil - 20 ml	10		
7	Measuring Cylinder (Borosil) 1000 ml	02		
8	Measuring Cylinder (Borosil) - 500 ml	01		
9	Measuring Cylinder (Borosil) - 100 ml	02		
11	Volumetric flask - Borosil - 100 ml	04		
11	Single pan digital balance with precision 0.01 gm	01		
✓ 12	" precision - 0.001 gram	01		
13	Burette stand - poly fab. with side hole, heavy base	06		
14	Burette stand - Iron with clamp & Boss head.	06		
15	Hot air blower - Philips	01		
16	Dropping bottle - plastic cap - 60 ml	10		
17	Digital stop watch - Racex	06		
✓ 18	Ostwald viscometer (Borosil.)	0602		
19	Sp. gravity bottle with stopper 25 ml capacity Borosil	06		
20	" - 50 ml capacity	06		
21	Density bottle with stopper 50 ml & (25 ml)	06		

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22	Graduated pipette 5ml	02
23	" 10ml	02
24	Stoppered bottle (250ml) - Borosil	06
25	Constant temperature Bath	01
26	Stal ganometer (Borosil)	02
27	Rubber tubing - 6mm	10 meters
28	" - 8mm	10 meters
29	Pressure tubing 8mm	5 meter
30	Chemical Thermometer γ_{10}° - 110°C	02
31	Chemical Thermometer γ_{10}° - 250°C	02
32	Chemical Thermometer - 360°C	02
33	What man filter paper No-1	02 pkt
34	What man filter paper sheet	10 sheet
35	Pinch clip	10
36	Hoffman screw clip	10
37	weighing bottle Borosil	04
✓38	Tensiometer (s. tension expt)	01
39	wide mouth receiving bottle (Borosil)	06
40	(with stopper rubber) wide mouth	
41	Desiccator (Borosil) - - - -	02
42	Tri pod stand	
43	were Gaeze	
44	Spatula (SS)	
45	Test tube Borosil.	100
46	Digital potentiometer with all accessories	01
✓47	Digital conductivity meter with all accessories	02
✓48	Digital pH meter with all its accessories	02
49	Calorie meter with all its accessories	

49 ✓	Colorimeter with all its accessories	02
50 ✓	Colorimeter with accessories (precision thermometer)	01
51 ✓	Visible Spectrophotometer (single beam)	01
52 ✓	Magnetic stirrer with Hot plate	02
53 ✓	Heating mantle	01
54 ✓	Melting point apparatus	02
55 ✓	Vacuum pump for filtration	01
56 ✓	Single distillation units All glass - 2 litre/hr capacity	02
✓	Water bath electrical	01
✓	Fume hood	01
✓	Kipp's apparatus (PP)	02
✓	Fire Extinguisher	02
✓	Aspirator for Chromatography developes	01
✓	Air oven (up to 300°C)	01
	Microwave oven	01
	Thermostat	
	Cork boxes	02
	Glass Jar 30cm high x 8cm diameter with cover for chromatography experiment.	02
	Capillary tubes (Thin)	1 pkt.
	Portable paper chromatography (Craft's) Kit with accessories	1.

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**U. G. S. MAHARAJA
SAKHIGOPAL**

BOTANY

SL NO	ITEM DESCRIPTION	QTY	UOM
1	IODINE SOLUTION -1% W/V 125ml	1	125 ML
2	STAINING SOLUTION Nelt	1	500 ML
3	IODINE RESUBLIMED	1	100 GM
4	HYDROCHLORIC ACID 500ml	1	500 ML
5	SODIUM CARBONATE ANHYDROUS	1	500 GM
6	Haemocytometer, 'German' HBG	1	PCS
7	YEAST EXTRACT	1	250 GM
8	SAFARINE STAIN SOLUTION	1	125 ML
9	HAEMATOXYLIN STAIN SOLUTION(HARRIS)	1	125 ML
10	LIGHT GREEN STAIN SOL.(0.5%)	1	125 ML
11	MALACHITE GREEN M.S.(FAST GREEN)	1	25 GM
12	CRYSTAL VIOLET SOLN.OXALATED	1	125 ML
13	Staining Assembly 25 Slide (S.S)	1	PCS
14	Watch Glass, 3" Dz (Sup.)	1	DZ
15	Petri Dish 3" B.G	1	PCS
16	Pestle & Mortar 4"	1	PCS
17	ACETONE 500ml	1	500 ML
18	CALCIUM CARBONATE	1	500 GM
19	Buchner Funnel 3" Porcelain	1	PCS
20	Seperating Funnel 250ml, B.G	1	PCS
21	METHANOL (METHYL ALCOHOL) 500ml	1	500 ML
22	POTASSIUM HYDROXIDE FLAKES	1	500 GM
23	Filter Paper 12.5cm (Ordinary)	1	PCS
24	Willmoth Bubbler	1	PCS
25	SODIUM BICARBONATE 500gm	1	500 GM
26	Balance Physical 7 Stone	1	PCS
27	Filter Paper 12.5cm (Adarsh / Dr. Watt)	1	PCS
28	SUCROSE	1	500 GM
29	Cork Borer (Set of 6) 'German Type'	1	PCS
30	Pipette Graduated 0.1/10ml B.G	1	PCS
31	Ganong's Potometer B.G	1	PCS
32	GLYCERINE (GLYCEROL) 500ml	1	500 ML
33	Stage Micrometer Sup. ERMA	1	PCS
34	Ocular Micrometer 'Imported	1	PCS
35	Farmer Potometer	1	PCS
36	SODIUM CHLORIDE 500gm	1	500 GM
37	TRYPTON	1	250 GM
38	SODIUM HYDROXIDE SOLUTION N/10	1	500 ML
39	Autoclave Portable, 12" Al.	1	PCS
40	Incubator Bact. 12"x12"x12" Al.	1	PCS
41	Flask Conical 250ml, B.G	1	PCS
42	Flask Measuring 250ml, B.G	1	PCS
43	ORCINOL MONOHYDRATE	1	10 GM
44	BUFFER SOLUTION PH 4.0	1	500 ML
45	DIPHENYLAMINE	1	250 GM
46	PH Meter (Adarsh)	1	PCS

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**U. G. S. MAHABDIALAYA
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47	UNIVERSAL INDICATOR SOLUTION 125ml	1	125 ML
48	PH Paper 'ADARSH' (Pk/100)	1	PCS
49	SULPHURIC ACID 500ml	1	500 ML
50	BARIUM CHLORIDE	1	500 GM
51	PHOSPHORIC ACID 500ml	1	500 ML
52	AMMONIUM THIOCYANATE (SULPHOCYANIDE)	1	250 GM
53	MANGANOUS CHLORIDE (MANGANESE CHLORIDE)	1	500 GM
54	POTASSIUM IODIDE 100gm	1	100 GM
55	SODIUM THIOSULPHATE SOLUTION N/10	1	500 ML
56	STARCH SOLUBLE	1	500 GM
57	MILLION'S REAGENT 125ml	1	125 ML
58	NITRIC ACID 500ml	1	500 ML
59	AMMONIA SOLN (AMM. HYDROXIDE) 500ML	1	500 ML
60	COPPER SULPHATE 500gm	1	500 GM
61	Spirit Lamp, S.S	1	PCS
62	BENEDICTS REAGENT (QUALITATIVE) 500ml	1	500 ML
63	SODIUM HYDROXIDE FLAKES 500gm	1	500 GM
64	FEHLING SOLUTION NO 1	1	500 ML
65	ACETIC ACID GLACIAL 500ml	1	500 ML
66	LOBA CARNOY FLUID	1	100 ML
67	ACETOCARMINE	1	100 ML
	CHARTS		
1	REXINE CHARTS	5	PCS
	PERMANENT SLIDES		
1	TYPES OF BACTERIA SET OF 4	1	PCS
2	COMMON SLIDES	72	PCS
3	DIFFERENT TYPES OF OVULES SET OF 4	1	PCS
4	PSEUDOMONAS	1	PCS
5	FEMALE GAMETOPHYTES	1	PCS
6	ENDOTHELIUM	1	PCS
7	MATURE & YOUNG ANTHER	1	PCS
8	DICOT EMBRYO	1	PCS
9	MONOCUT EMBRYO	1	PCS
10	MITOSIS CELL DIVISION SET OF 5	1	PCS
11	MEIOSIS CELL DIVISION SET OF 12	1	PCS
	SPECIMEN		
1	MUSUEM SPECIMEN	5	PCS
	PLANT MATERIALS		
1	CLASS WORK MATERIAL	25	PCS

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Sl. No.	Particulars	Quantity	Unit Price	Total Price
1.	Digital Spectrophotometer	01		
2.	Centrifuge with 8 tube & Timer	01		
3.	Hat-air oven	01		
4.	pH Meter (digital)	01		
5.	Craft's portable paper Chromatography Kit with all its accessories	01		
6.	Chromatography paper (Whatman No.1 filter paper) 5 sheets	5		
7.	Micro pipette (1 ml.)	01 PC		
8.	Micro pipette (5 ml.)	01 PC		
9.	Sprayer	01 PC		
10.	Spot-lamp	01 PC		
11.	Pipette (Borosil) 25 ml	1 PC		
12.	Measuring cylinder (1 lit.)	1 PC		
13.	Burette with stand (Borosil)	2 PCs		
14.	Winkler's bottle	1 PC		
15.	Sacchi Disc	1 PC		
16.	Conical flask	2 PCs		
17.	Borosil test tube	20 PCs		
18.	Culture test tube (15 X 125)	100 PCs		
19.	Reagent bottle with stopper (250 ml.)	2 PCs		
20.	Beaker 250 ml. (Borosil)	2 PCs		
21.	Slides	4 PKTs		
22.	Cover slip	24 PKTs		
23.	Petri dish	10 PCs		

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24.	Digital balance	1 PC
25.	Cuvettes	2 PCs
26.	Haemocytometer (Imported)	2 PCs
27.	Transparent Specimen Jar with lid (5 lit. capacity)	2 PCs
28.	Specimen Jar with lid (1 lit. capacity)	5 PCs

CHARTS, MODELS & SKELETON

1.	Normal & abnormal human Karyotype chart	1 PC
2.	Ha pedigree chart	1 PC
3.	Chart showing DNA replication.	1 PC
4.	Chart showing RNA transcription & split genes.	1 PC.
5.	Chart of Linkage Map from Conjugation transformation & transduction	1 PC
6.	Photograph of Lactobacillus & Micrococcus	1 PC
7.	Photograph of HIV & bacteriophage.	1 PC
8.	Chart showing Circadian cycle in Man	1 PC
9.	Human Brain (Model)	1 PC
10.	Human Heart (Model)	1 PC
11.	Frog (disarticulated) bone	1 set
12.	Rabbit (disarticulated) bone	1 set

Tulane
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No.	Articles	Quantity	Unit Price	Total Price
<u>CHEMICALS</u>				
1.	Phosphate Buffer (0.1M, pH 7.6)	500		
2.	Alk. Na_2CO_3 (Sod. Carbonate)	300		
3.	Copper Sulphate reagent	500		
4.	Folin's reagent	500		
5.	20% TCA	500		
6.	Acetone	500 ml. 1000		
7.	0.1 N Sod. hydroxide	500		
8.	Bovine Serum Albumin (BSA)	100		
9.	EDTA	100		
10.	n-Butanol	500		
11.	0.5% Ninhydrin reagent	500		
12.	Aminoacids Proline	100		
13.	" Leucine	100		
14.	" Lysine	100		
15.	Mixture of Phenylalanine, Glycine & methionine	500		
16.	Barford's reagent	100		
17.	Orcinol (6%) reagent	100		
18.	Ferric chloride	500		
19.	Conc. HCl	500 ml 1000		
20.	Std. RNA 250 $\mu\text{g}/\text{ml}$.	250		
21.	Calf thymus DNA (1000 $\mu\text{g}/\text{ml}$)	50		
22.	D. P. A reagent	100		
23.	Parafilm	250		

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CHEMICALS

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Sl. No.	Article	Quantity	Unit Price
24.	Phenyl hydrazine	250 ml	
25.	Seliwanoff's reagent	100 ml	
26.	Schiff's reagent	100 ml	
27.	Feulgen reagent	250 ml	
28.	Benedict's reagent	500 ml	
29.	Leissman's stain	100 ml	
30.	Turk's fluid	500 ml	
31.	R. Spirit	2 lit	
32.	Orange G - soln.	50g.	
31.	Pol. bisulphate	100g.	
32.	Chromic acid	100g	
33.	Absolute alcohol (Ethanol)	3 lit.	
34.	Formalin	10 lit.	
35.	Glacial Acetic acid	1 lit	
36.	Conc. H_2SO_4 (Sulphuric acid)	500 ml	
37.	Conc. Nitric acid	500 ml.	
38.	Hayem's Diluting fluid	500 ml	
39.	Ringer Soln.	250 ml	
40.	Sod. Acetate	500 g	
41.	Sod. thiosulphate	500 g	
42.	0.1 N Sod. hydroxide	500g	
43.	Diphenyl Amine (DPA)	250g	
44.	Manganous Sulphate Monohydrate	250g	
45.	Bromophenol Blue (0.05%)	250 ml	

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S. No.	Articles	Quantity	Unit Price	Total Price
<u>MUSEUM SPECIMEN</u>				
1.	Millepora	01		
2.	Ctenophora	01		
3.	Ephyra larva	01		
4.	Scallop Ambystoma	01		
5.	Scoliodon	01		
6.	Triton	01		
7.	Aphrodite	01		
8.	Balanus	01		
9.	Peripatus	01		
10.	Chiton	01		
11.	Nautilus	01		
12.	Larva of Echinodermata	01		
13.	Balanoglossus	01		
14.	Naja	01		
15.	Viper	01		
16.	Life history of honey-bee (in Glass Jar)	1 set		

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Sl. No.	Articles	Quantity	Unit Price	Total Price
46.	Pot. Hydroxide (Biognade)	250g		
47.	pot. iodide	100g		
48.	Starch (CDH)	250g		
49.	Calcium chloride	250g		
50.	pot. dichromate	250g		
51.	DPX	500ml		
52.	xylol	2500ml		
53.	Mercuric chloride soln. (1%)	125ml.		
54.	Periodic Acid	100g		
55.	MAB Kit Containing (A, B & D) antivenom	1pc 100g		

CLASS WORK MATERIALS

1.	Sponge spicules	05 Btl
2.	Sponge gemmules	05 Btl
3.	Obelia colony	05 Btl
4.	Amphioxus (Bowin's fixed)	05 Btl
5.	Amphibian gastrula (Bowin's fixed)	05 Btl.
6.	Placoid Scales	05 Btl
7.	Cycloid Scales	05 Btl
8.	Amphibian striated Muscles	05 Btl
9.	Squamous epithelium	05 Btl
10.	Nerve cell	05 Btl

Articles U.G.S.I

Quantity

Unit Price

Total Price

PERMANENT SLIDES

1.	Paramecium (W.M.)	01
2.	Paramecium (Fission)	01
3.	Paramecium (Conjugation)	01
4.	Plasmodium (Sporozoite)	01
5.	Entamoeba (W.M.)	01
6.	T.S. of Sycon	01
7.	L.S. of Sea anemon	01
8.	Miracidium Larva (W.M.)	01
9.	Redia "	01
10.	Ascaris pharynx (T.S.)	01
11.	Crop of Leech (T.S.)	01
12.	Drosophila eggs	01
13.	Drosophila Stage - I	01
14.	" Stage - II	01
15.	" Stage - III	01
16.	" Male	01
17.	" female	01
18.	Amphioxus Pharynx (T.S.)	01
19.	Herdmania Spicules	01
20.	Placoid scale (W.M.)	01
21.	Cycloid "	01
22.	Ctenoid "	01
23.	Squamous epithelium	01
24.	Striated Muscle	01
25.	Unstriated Muscle	01
26.	Nerve cell	01

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Sl. No.	Articles	U. G. S. MAHAR DIALAYA SAKHIGOPAL	Quantity	Unit price	Tot.
27.	Columnar ciliated epithelium		01		
28.	Amphibian Blastula (W.M.)		01		
29.	W.M. of Gastrula		01		
30.	" Nerve		01		
31.	" Tailbud stage		01		
32.	" Tadpole (Ext. gill)		01		
33.	" Tadpole (Int. gill)		01		
34.	W.M. of Chick embryo 24 hrs		01		
35.	" 36 hrs		01		
36.	" 72 hrs		01		
37.	" 96 hrs		01		
38.	T.S. of Mammalian Cartilage		01		
39.	" Bone		01		
40.	" Thyroid		01		
41.	" Thymus		01		
42.	" Pancreas		01		
43.	" Adrenal		01		
44.	" Testis		01		
45.	" Ovary		01		
46.	" Spleen		01		
47.	Bar Body		01		
48.	Giant Chromosome		01		
49.	Split genes		01		
50.	DNA		01		

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Articles

Quantity Unit Price Total Price

1.	Mitosis - Prophase	01		
52.	" Metaphase	01		
53.	" Anaphase	01		
54.	" Telophase	01		
55.	Interphase Nucleus	01		
56.	Meiosis-I; Leptotene	01		
57.	Zygotene	01		
58.	Pachytene	01		
59.	Diplojene	01		
60.	Diakinesis	01		
61.	Meiosis-II, Metaphase-I	01		
62.	Anaphase-I	01		
63.	Telophase-I	01		
64.	Gram's +ve Coccus	01		
65.	Gram's -ve Coccus	01		

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