



THE ZAMORIN'S GURUVAYURAPPAN COLLEGE
KOZHIKODE 673014, KERALA, INDIA

(Affiliated to the University of Calicut)
Accredited by NAAC with Grade A

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Tender 2023-2024 – Purchase of items – PD Account

Notice

The Principal Zamorin's Guruvayurappan College inviting tender for the following items

PG DEPARTMENT OF BOTANY

No.	Item Name	Specification	Quantity
1.	1-Naphthol	200g	
2.	2,4 Dichlorophenoxy acetic acid	100g	
3.	Acetic acid Glacial	500ml	
4.	Acetocarmine	200ml	
5.	Acetone	500ml X 2	
6.	Agar	500g X 2	
7.	Ammonium Nitrate	500mg	
8.	Beef extract	500g	
9.	Benzyl Adenine	100g	
10.	N Butanol	500ml	
11.	Calcium chloride	500g	
12.	Carboxy methyl cellulose	100g	
13.	Casein Acid Hydrolysate	500g	
14.	Chromic acid	500ml	
15.	Citric acid	100mg X 5	
16.	Cobalt chloride	250g	
17.	Colchicine	100g	
18.	Congo red	100g	
19.	Corn meal agar	500g	
20.	Cotton Blue	100g	
21.	Czapek dox medium	1 bottle	
22.	Dextrose	500g X 2	
23.	DPPH	100g	
24.	Dinitrosalicylic acid	100mg X 2	
25.	Dimethyl Formamide	100g	
26.	Dinitro salicylic acid	100g	
27.	Eosin Red	100mg	
28.	Evans Blue	100ml	

29.	Ferrous sulphate	250g	
30.	Ferric chloride	250g	
31.	Na ₂ EDTA	100g	
32.	Fast green	100g	
33.	Formalin	5 Litres x 5	
34.	Ferrous sulphate	250g	
35.	Gelatin	500g	
36.	Glycine	100g	
37.	Glycerine	500ml x 3	
38.	Haupt's adhesive	250ml	
39.	Isopropanol	500ml x 2	
40.	Inositol	250g	
41.	Kinetin	100mg	
42.	Lactic acid	250mg	
43.	Lactophenol blue	100ml	
44.	Mercuric chloride	100g	
45.	Methanol	500ml	
46.	Naphthalene balls	1 packet	
47.	Naphthalene acetic Acid	250 g	
48.	Nessler's reagent	250g	
49.	Picric acid	500ml	
50.	Pectin	500g	
51.	Peptone	500g	
52.	Parafilm	1 roll	
53.	Petroleum ether	500ml X 2	
54.	Potassium chloride	500g	
55.	Potassium Hydroxide	500g x 2	
56.	Potassium Nitrate	500g x 2	
57.	Potassium Iodide	250g x 2	
58.	Potassium dihydrogen Phosphate	500g	
59.	Rose bengal	100g	
60.	Resorcinol	250g	
61.	Saffranin	100g	
62.	Silica Gel	500g	
63.	Sodium Chloride	500g	
64.	Sodium dihydrogen phosphate	500g	
65.	Sodium Hydroxide	500g x 2	
66.	Sodium Potassium Tartrate	500g x 2	
67.	Sodium thiosulphate	500g	
68.	Starch	500g	
69.	Sucrose	500g x 4	
70.	Triphenyl Tetrazolium Chloride	100g X 2	
71.	Tryptophan		
72.	Sodium Hypochlorite solution	500ml X 2	
73.	Sodium Phosphate	500g X 2	
74.	Sodium citrate	500g X 2	

INSTRUMENTS /GLASSWARE

Absorbent cotton	2 rolls	
Aluminium Foil	2 rolls	
Beaker 500ml glass	5	
Beaker 500ml plastic	5	
Beaker 1000ml glass	3	
Buffer tablets (7, 4 and 9.2)	1 bottle each	
Cavity slide (1 cavity)	50	
Chromatography paper Whatsman No.1 sheets	10 sheets	
Conical Flask 250ml	10	
Conical Flask 500ml	5	
Cork Borer	1 set	
Cotton Absorbent	3	
Dropper Bottles	20	
Blotting Paper Sheets	20	
Culture vials 10ml	20	
Eppendorf tube 2ml	20	
Forceps Medium size	20	
Funnel 10 cm diameter	5	
Funnel 10 cm diameter	5	
Inoculation Box	5	
Inoculation needle	10	
Inoculation Tray	5	
Membrane Filter 0.22micron	20	
Micro cover glasses 18mm Bluestar	25 boxes	
Microscopic slides Bluestar	20 boxes	
Naphthalene balls	1 box	
Needles Plastic	50	
Non Absorbent cotton	10 bundles	
Parafilm	1 roll	
Pasteur Pipette	20	
Plastic tray Large	10	
Plastic tray Small	10	
pH paper Range 4-7	3 boxes	
Spirit lamp metal	5	
Surgical blade (GLASS VAN)	2 boxes	
Labolene/Liquid soap	5 litres	
Steel Tray	5	
Test tube 15 x 150mm	75	
Test tube 25 x 150mm	50	
Wash Bottles	10	
Watch glass	25	
Whatsman filter paper 90 mm	50	
Spatula metallic	10	
Painting Brush	30	

DEPARTMENT OF CHEMISTRY

LIST OF ITEMS REQUIRED

I. CHEMICALS

Please quote the maximum percentage of discount to the price of chemicals given in catalogue of the following brand (Both LR and AR/GR quality)

Merck
Spectrum
Isochem
Nice
Qualigen
SRL Chemicals
Loba Chemie
Spectrochem

Sl. No.	ITEM
	AMMONIUM CHLORIDE
	AMMONIUM CARBONATE
	AMMONIUM FERROUS SULPHATE
	AMMONIUM ACETATE
	AMMONIUM SULPHIDE
	AMMONIUM THIOCYANATE
	AMMONIUM OXALATE
	AMMONIUM BORATE
	AMMONIUM SULPHATE
	ALUMINIUM SULPHATE
	ALUMINIUM CHLORIDE
	ALUMINIUM NITRATE
	ALUMINIUM CARBONATE
	ALUMINIUM ACETATE
	BARIUM CHLORIDE
	BARIUM NITRATE
	BARIUM ACETATE
	BARIUM CARBONATE
	CALCIUM CARBONATE
	CALCIUM CHLORIDE FUSED
	CALCIUM CHLORIDE
	CALCIUM NITRATE
	CALCIUM SULPHATE
	CALCIUM ACETATE

	CALCIUM OXALATE
	COBALT CHLORIDE
	COBALT NITRATE
	COBALT SULPHATE
	FERROUS SULPHIDE STICKS
	FERROUS SULPHATE
	LEAD DIOXIDE
	LEAD NITRATE
	MAGNESIUM CARBONATE
	MAGNESIUM CHLORIDE
	MAGNESIUM NITRATE
	MAGNESIUM ACETATE
	MAGNESIUM OXALATE
	MAGNESIUM SULPHATE
	MANGANOUS SULPHATE
	MANGANOUS NITRATE
	MANGANOUS ACETATE
	MANGANOUS CHLORIDE
	STRONTIUM CHLORIDE
	STRONTIUM NITRATE
	STRONTIUM CARBONATE
	STRONTIUM ACETATE
	SODIUM CARBONATE
	SODIUM BICARBONATE
	OXALIC ACID
	POTASSIUM IODIDE
	MERCURIC CHLORIDE
	MERCURIC NITRATE
	NICKEL NITRATE
	NICKEL ACETATE
	NICKEL SULPHATE
	NICKEL CHLORIDE
	IODINE RESUBLIMED
	POTASSIUM PERMANGANATE
	POTASSIUM DICHROMATE
	POTASSIUM CHROMATE
	POTASSIUM FERRICYANIDE
	POTASSIUM FERROCYANIDE
	SODIUM POTASSIUM TARTARATE
	COPPER SULPHATE
	COPPER NITRATE
	ZINC SULPHATE
	ZINC NITRATE
	ZINC ACETATE
	HYDROCHLORIC ACID
	SULPHURIC ACID

	NITRIC ACID
	AMMONIA SOLUTION
	ACETIC ACID GLACIAL
	STARCH SOLUBLE
	SODIUM THIOSULPHATE
	CARBON TETRA CHLORIDE
	AMMONIUM FERRIC SULPHATE
	CHLOROFORM

	METHANOL
	METHYL ACETATE
	DIETHYL ETHER
	EDTA
	DIMETHYL GLYOXIME
	AMMONIUM MOLYBDATE
	AMMONIUM CERIC NITRATE
	ZIRCONYL NITRATE
	LITHIUM NITRATE
	LITHIUM CARBONATE
	AMMONIUM META VANADATE
	SODIUM TUNGSTATE
	BENZENE
	BENZOYLCHLORIDE
	ACETONE
	SODIUM NITRITE
	GLYCEROL
	BIPHENYL
	PHENOL
	8-HYDROXY QUINOLINE
	AMMONIUM PURPURATE
	DIPHENYL CARBAZIDE
	N-BUTANOL
	GLUCOSE
	ACTIVATED CHARCOAL POWDER
	AMINO ACID KIT
	N-PHENYL ANTHRANILIC ACID
	ACETOPHENONE
	NAPHTHALENE
	DIPHENYL AMINE
	SODIUM ACETATE TRIHYDRATE
	SODIUM HYDROXIDE
	POTASSIUM HYDROXIDE
	N-PHENYL ANTHRANILIC ACID

	UREA
	BENZALDEHYDE
	ETHYL BENZOATE
	AMYL ALCOHOL
	SODIUM POTASSIUM TARTARATE
	ANILINE
	BENZAMIDE
	CINNAMIC ACID
	PHTHALIC ACID
	CHLORO BENZENE
	NITRO BENZENE
	METHYLENE BLUE
	ALIZARIN RED
	BROMO BENZENE
	ACETANILIDE
	NINHYDRIN SOLUTION
	PHOSPHORIC ACID
	ANTHRANILIC ACID
	PHENYL HYDRAZINE HYDROCHLORIDE

II. GLASS WARES AND EQUIPMENTS		
Sl. No.	ITEM	SPECIFICATION
1.	TEST TUBES (15x125)	BOROSIL
2.	BOILING TUBE (25X150)	BOROSIL
3.	STANDARD FLASK,500 mL	BOROSIL
4.	STANDARD FLASK 50 mL	BOROSIL
5.	STANDARD FLASK 100 ML	BOROSIL/VENSIL
6.	PIPETTE 20 mL	BOROSIL/VENSIL
7.	PIPETTE 5 ML	BOROSIL
8.	MEASURING JAR 10 ML PLASTIC	
9.	MEASURING JAR 10 ML	BOROSIL
10.	MEASURING JAR 25 ML	BOROSIL
11.	CONICAL FLASK,250mL	BOROSIL
12.	CONICAL FLASK,500 mL	BOROSIL
13.	BEAKER 100 mL	BOROSIL
14.	BEAKER 250 mL	BOROSIL
15.	BEAKER 500 mL	BOROSIL
16.	CLAY PIPE TRIANGLE	
17.	CENTRIFUGE TUBE	BOROSIL
18.	THERMOMETER 60 cms	PRECISION DOLLAR
19.	SEPARATING FUNNEL	BOROSIL

20.	WASH BOTTLE 500 ML PLASTIC	
21.	WIRE GAUZE	
22.	100mL GROUND NECK STOPPERED BOTTLES	BOROSIL
23.	DESSICATOR WITH LID	
24.	SILICA CRUCIBLE WITH LID	
25.	LID	
26.	FUNNEL	
27.	NICKEL SPATULA	
28.	5 mL GRADUATED PIPETTE	BOROSIL/VENSIL
29.	GRADUATED PIPETTE 10 ML	BORSIL/VENSIL
30.	STIRRER	
31.	PLASTIC SPATULA	
32.	ORDINARY FILTER PAPER	
33.	WHATMANN FILTER PAPER NO.40	
34.	WHATMANN FILTER PAPER NO.41	
35.	FILTER PAPER SHEET NO,1	
36.	CHROMATOGRAPHIC PAPER SHEET	
37.	TRIPOD STAND	
38.	IGNITION TUBE	
39.	BURETTE 50 ML	BOROSIL WITH PLASTIC STOPPER
40.	GLASS TUBE	
41.	TWO HOLED CORK	
42.	GLASS DROPPER	
43.	WATCH GLASS	
44.	CORK WITHOUT HOLE	
44.	OSTWALD VISCOMETER	
45.	KIPP'S APPARATUS	

DEPARTMENT OF PHYSICS

SI.No	Item	Quantity
1	GM Counter	1
2	Kater's pendulum	1
3	Laser source – Diode Laser - Red	1
4	Rheostat 1000 Ohms	2
5	Sodium Vapour Lamp	1
6	Mercury vapour lamp	1
7	Polarimeter	1
8	Multimeter	4
9	Searles Vibration magnetometer	2
10	Convex Lens focal length 10cm	5
11	Optical Bench	1
12	Ammeter 0-10mA	4
13	Voltmeter 0-30 V	4
14	DC Power Supply (0-15V Variable)	2
15	Optic lever	5
16	Function Generator	1

DEPT. OF PHYSICAL EDUCATION

No	Items	Quantity
1.	Yoga mats	20 Nos
2.	Skeleton	1 No
3.	Sutra Neti	50 Nos
4.	Neti pot	50 Nos
5.	Vastram	50 Nos

DEPARTMENT OF ZOOLOGY

No	Items	Specifications	Quantity
1.	Laboratory Pathological Binocular Microscope	Features <i>Optical System</i> : Two 10x wide field eyepieces; Two 10x wide field eyepieces, one with pointer; 4x, 10x, 40x, and 100x achromatic objectives; 100x objective requires immersion oil for maximum resolution; Four-position click-stop turret; 40x, 100x, 400x, and 1000x magnification with 10x eyepieces. <i>Lighting</i> : 1.25 NA Abbe condenser with three color filters; Removable blue, yellow, green filters; Lower LED illumination, adjustable intensity; Manual mechanical iris adjustment. <i>Focusing</i> : Separate coarse and fine focus knobs; Sliding Interpupillary adjustment to accommodate a wide range of users; Right-eye dioptic adjustment. <i>Stage</i> : - 4.3 x 4.7" mechanical rectangular stage; Adjustable-width locking slide/specimen holder; Accepts 3 x 1" (76.2 x 25.4mm) specimen slides; X-Y right-handed stage adjustments; Integrated ruler on edge	1
2.	Sahli's Haemoglobinometer	Complete set	8
3.	Photoelectric Colorimeter	8 Filter; Range 400-700 nm	1
4.	Beaker 500 ml	Borosil	5
5.	Glass Funnel	Borosil Plain 60 Degree Angle Stem Funnels (Dia. 100mm)	4
6.	Safranin stain solution	125 ml	2
7.	Phosphate buffer saline 10x	500 ml	1
8.	Janus green B	5 gm	2
9.	Selivanoff's Reagent	250 ml	1
10.	Antiserum ABD	10 ml	4
11.	Barfoed's Reagent	250 ml	2

12.	Formaldehyde	5 lit	4
13.	Sodium nitroprusside	100 gm	1
14.	Oxalic Acid	250 gm	1
15.	Urea	250 gm	1
16.	Nitric Acid GR	500 ml	2
17.	Hydrochloric acid	500 ml	2
18.	Sulphuric Acid GR	500 ml	2
19.	Sodium hydroxide	500 gm (Pellets)	2
20.	Gram Iodine solution (1%)	250 ml	2
21.	Glycerol	500 ml	1
22.	Lugol's Iodine	100 ml	2
23.	Colchicine	10 g	1
24.	EDTA Disodium salt	100 g	1
25.	EDTA Magnesium salt	100 g	1
26.	Magnesium carbonate	100 g	1
27.	Eriochrome Black T solution	100 ml	2
28.	Ammonia Buffer solution	200 ml	2
29.	Ammonium chloride	500 gm	1
30.	Blood lancets	200 No	3
31.	First Aid Box (Complete set)		1
32.	Cotton Roll	--	3
33.	Red litmus paper	Pack of 200	1
34.	pH paper strips	Narrow range (7.0-14.0)	6
35.	Filter paper	100 circles per packet size 110 mm	2

Principal
The Zamorin's Guruvayurappan College Kozhikode