



Devaswom Board Pampa College

PARUMALA-MANNAR, KERALA STATE, PIN :689 626

(Affiliated to M.G University, Kottayam) phone : 0479, 2312247, 2312357

E-mail : principaldbpampacollege@gmail.com


Website : www.dbpampacollege.org

(ACCREDITED BY NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL)

01.09.2021

Tender Notice

Sealed tenders are invited for the supply of Lab Equipments and chemicals under the P D Accounts of this college. Details of specifications can be had from the college website. Last date 17.09.2021 at 3.00 pm and tenders will be opened on the same day at 3.15 pm (website: www.dbpampacollege.org) Contact No.9447160928, 9447866560


Principal
D.B. Pampa College
Parumala

Tender cost - Rs.400 + GST

EMD cost - 1% of the total cost of the article tendered for subject to a minimum of Rs.1500/-

Security deposit - 5%



Department of Physics
D.B Pampa College, Parumala
Laboratory equipment requirement

SI.NO	Equipment Name	Specification	Quantity
1.	Optical bench	SS/Al 4 metal rider,50-100 cm length (Include Photograph with quotation)	2
2.	Diffraction grating	500lines/inch	2
3.	Manual Polariser Rotator	With holding stand (Compatible for using item 4)	2
4.	Multiple order wave plate(mounted)	Mounted diameter 30mm, 633nm	2
5.	Microscope	For Uniform & Non uniform experiment	2
6.	Beam Profile Apparatus	Study divergence, spot size intensity profile of diode laser	1
7.	Cornu's Apparatus	Elastic constants	1
8.	Hall Effect Apparatus	Hall coefficient, carrier concentration	1
9.	Curie Temperature Measurement Apparatus	Measurement of curie temperature (include components in quotation)	1
10.	LCR Meter	Measuring at various frequencies	1
11.	Signal Generator	Sine wave, Square wave, Triangular wave with various frequencies and amplitude	2
12.	Centrifuge	>3500-4000 rpm	1
13.	Mercury		500 gm
14.	mA Ammeter	0-100 mA	3
15.	Telescope with scale		4
16.	Katers Pendulum		2
17.	Sodium Vapour Lamp		3
18.	Didoe Laser	red	1
19.	Tangent Galvanometer	Calibration of Ammeter	1
20.	4 Probe Apparatus		
21.	Magnetic Stir with hotplate	Stir speed and temperature controllable	1
22.	Electronic weighing Machine	0.001g readability with closed specimen cabin	1
23.	Agate Motor & Pestle	75mm	1
24.	Borosil Beaker	500 ml 250ml 100ml	1 2 2
25. 5.	Borosil Test tube	17 mm dia 16 mm dia 13mm dia	3 3 2
26. 6.	Curie-Wiess law Apparatus	Temperature dependence of Dielectric constant of ceramic capacitor	1
27. 7	Ammeter	100mA (5no) 50mA (5no) 1A(3no)	

Dr. Sheeja .P

HoD , Department of Physics

POST GRADUATE DEPARTMENT OF CHEMISTRY

Equipments

Sl.No.	Item	Specification	Quantity
1	Electric Bunsen	KEMI Stainless steel casing 800-1000 350 watts With energy regulator	5
2	Abbe Refractometer with compact lighting sytem		1
3	Separating Funnel		5
4	Kipps Apparatus (Plastic)		1
5	Centrifuge tube (Plastic)		25

POST GRADUATE DEPARTMENT OF CHEMISTRY

List of Chemicals to be purchased

Sl.No	Item& Quantity	
1	Ammonium Carbonate	500x4
2	Ammonium Chloride	500x8
3	Amm.Ferrous Sulphate	500x4
4	Ammonium phosphate	500x2
5	Calcium Chloride (Fused)	500x25
6	Sodium Hydroxide Pellets	500 x25
7	Ether	500x50
8	Ethyl Acetate	2.5Lx6
9	Hydrochloric Acid (Comm)	2.5Lx10
10	Sulfuric Acid (Comm)	2.5Lx4
11	Acetic acid(glacial)	2.5Lx4
12	Sulfuric Acid ((Synt)	500 mlx4
13	Acetone	2.5Lx4
14	Stannous Chloride	100 gx2
15	Petroleum Ether	2.5Lx8
16	n-Hexane	2.5 Lx2
17	Lead Acetate	500 gx2
18	Methanol	2.5 L x 2
19	Oxalic Acid	500 g x 4
20	Ferrous Sulphide Sticks	500 g x 4
21	Zinc Nitrate	500 g x 1
22	Silica gel 60-120 mesh for column chromatography	500 g x8
23	Sodium Metal	250x6
24	Sodium Tungstate	100 g x 1
25	Sodium meta Vanadate	50 g x1
26	Charcoal	500 g x 2
27	Titanium sulphate	5 gx1
28	Thalium Nitrate	5 gx1
29	Thorium Nitrate	5 gx1

POST GRADUATE DEPARTMENT OF CHEMISTRY

List of Chemicals to be purchased

30	Naphthalene	500 g x 4
31	Biphenyl	100 g x 6
32	Acetophenone	500 g x 2
33	Benzophenone	500 g x 2
34	Sodium Carbonate anhydrous	500 g x 4
35	Potassium Chloride	500 g x 4
36	Potassium Hydroxide	500 g x 4
37	Potassium Sulfate	500 g x 4
38	Schiff's Base	125 g x 6
39	Ferric Chloride	500 g x 2
40	Benzyl Chloride	500 g x 2
41	Benzoyl Chloride	500 g x 4
42	Salicylic Aldehyde	100 g x 1
43	Sodium Sulphite	500 g x 4
44	Zinc dust	250gx1
45	Sucrose	500 g x 2
46	Ammonium Acetate	500gx2
47	Cobalt Nitrate	100gx4
48	Lithium Nitrate	100gx1
49	Ferric per Iodate	25g x 1
50	Nessler's Reagent	125ml x4
51	Potassium chromate	500gx1
52	Hydrogen Peroxide (30%)	100x3
53	Potassium sulphocyanide	100x1
54	Ammonia Solution	2.5Lx8
55	Ferrous sulphate	500 g x6
56	Alizarin-S	10x1
57	Whatman No.1	5 packet
58	Ordinary Filter paper	1000 sheet
59	Ignition tube	25 packets
60	Wire Gauze	100 No.

Paper Chromatographic Equipment & Reagents

Amino acids (3 nos)

No	Name of item	Required quantity
1	Dissection Microscope	5
2	Compound student microscope - Olympus	10