

**list of laboratory equipment, to be purchased
under PD account 2021-22**

From,

Head, Department of Geology

S N College, Sivagiri, Varkala

To

The Principal

S.N College, Sivagiri, Varkala

Dear Sir,

I am submitting herewith the list of Geology laboratory equipment, to be purchased under PD account 2021-22, for your kind consideration.

Thanking You,

Yours faithfully,

Varkala

Dr. Sreela S.R.

31.03.2022

Post-Graduate Department of Geology

	Consumable	Specification	Qty
1	Petrological microscope	ZENCICO make Student type Monocular	1
2	Van Vean Grab	Stainless stell, Volume 2 liter	1
3	Hot air oven	50 litre, Temperature range 0 to 150 degree	1
4	Glass cylinder	1000 ml, Borosilicate, Graduated, Measuring	5
5	Glass beaker	1000 ml, Borosilicate, Graduated, Measuring	5
6	Glass beaker 5	1000 ml, Borosilicate, Graduated, Measuring	5
7	Bromoform	250 ml	2
8	Acetone	500 ml	2
9	Acetic acid	500 ml	1
10	Hydrogen peroxide	500 ml	5
11.	Sulphuric Acid	500 ml	2
12.	Ammonium ferrous sulphate	500 gm	2
13	Glass cylinder	1000 ml, Borosilicate, Graduated, Measuring	5

S N College, Varkala

Department of Botany

List of chemicals& glasswares

Sl.No.	Items	Quantity	Nos.
1	Carnoy's Fluid	250mL	3
2	D-glucose anhy LR	500gm	1
3	Biuret reagent	125 mL	3
4	Acetic acid Glacial	500mL	3
5	Acetocarmine	100mL	5
6	Saffranin solution	125mL	5
7	Benedict's reagent	250mL	1
8	glycerin	500mL	2
9	Formaldehyde	5 L	1

Glasswares

Sl.No.	Item	Nos.
1	Apparatus to compare transpiration & water absorption	1
2	Ganong's potometer	1
3	Farmer's potometer	1
4	Wilmot's Bubbler	1
5	Wash bottle	5
6	Coverslip 18 mm	30
7	Specimen jar screw cap 250mL	10

Post Graduate Department of Physics

Sl.No	Equipment	Quantity
1	Anderson Bridge (with Bridge oscillator and null detector)	1
2	e/m Apparatus-Thomson Method, with Two Year warranty	1
3	Compound bar pendulum	2
4	Fly wheel 8" Dia.,4.5 cm thick, without counter-Two years warranty	2
5	Good Quality Ammeter 0- 1.5 A	1
6	Good Quality Galvanometer 30-0-30	1
7	Good Quality Voltmeter 0 – 5 V	1
8	Good quality e/k apparatus	1
9	Multimeter	4
10	Toluene 500 ml Nice	1

SREE NARAYANA COLLEGE, SIVAGIRI, VARKALA

POST GRADUATE DEPARTMENT OF CHEMISTRY

Quote only Merck or equivalent brands

List of Chemicals		
Sl No.	Item	Qty
1	Acetanilide	500 g x 1
2	Acetic acid	500ml x 1
3	Acetone	500ml x 1
4	Acetophenone	500ml x 2
5	Ammonium Ferric Sulphate	500gm x 3
6	Ammonium Thiocyanate	250gm x 1
7	Aniline	500ml x 1
8	Barium Chloride	500gm x 1
9	Benzoic Acid	500gm x 1
10	Beta Naphthol	250gm x 1
11	Biphenyl	100gm x 1
12	Carbinol	500ml x 1
13	Chloroform	500ml x 1
14	Diethyl ether	500ml x 6
15	Diluent For DNA Extraction	500ml x 1
16	Disodium hydrogen phosphate	500gm x 1
17	EDTA disodium salt	100gm x 1
18	Eriochrome Black T	25gm x 1
19	Ethyl Acetate	500ml x 1
20	Ferric Chloride	500gm x 1
21	Ferrous ammonium sulphate	500gm x 4
22	Ferrous Sulphate	500gm x 1
23	Hexane	500ml x 1
24	Hydrochloric acid	2.5 l x 2
25	Hydrogen peroxide 100 vol. (30% w/v)	500ml x 1
26	Iodine solution - 1%	125ml x 1
27	Magneson Reagent	125 ml x 2
28	Melting point Capillary Tube	1 packet
29	Mercuric Chloride	100gm x 1
30	Meta nitro Benzoic acid	100gm x 1
31	Methyl Acetate	500ml x 2
32	Methyl Benzoate	250ml x 1
33	Naphthalene	500gm x 3
34	Nessler's reagent	125ml x 1
35	Nitric Acid	500ml x 1

36	Oxalic Acid	500gm x 1
37	Paracetamol	500gm x 1
38	Petroleum ether 40 - 60 C	500ml x 2
39	Petroleum ether 60 - 80 C	500ml x 1
40	Phenol	500gm x 1
41	Potassium Iodide	250gm x 1
42	Potassium permanganate	500gm x 1
43	Schiffs Reagent	125ml x 2
44	Silica Gel G for TLC	500gm x 2
45	Sodium Hydroxide Flakes	500gm x 1
46	Sodium Sulphate	500gm x 1
47	Sodium thiosulphate	500gm x 1
48	Stannous Chloride	100gm x 2
49	Stannous Chloride	250gm x 1
50	Starch Soluble	500gm x 1
51	Succinic Acid	250gm x 1
52	Sulphuric Acid	2.5Ltr x 5
53	Toluene	500 ml x 2
56	Conical Flask Borosilicate	250ml x 10
57	Burette Borosilicate	5

	DEPARTMENT OF ZOOLOGY	
Sl. No.	Chemicals	Number
1	Acetic acid	5
2	Manganous sulphate	2
3	Potassium iodide	4
4	Sodium thiosulphate	2
5	Potassium hydroxide	2
6	Sodium Hydroxide	2
7	EDTA	2
8	Starch	2
9	Sulphuric acid	2
10	Phenolphthalein	2
11	Sodium chloride	2
12	Potassium dichromate	1
13	Glycerol	2
14	Benedict's reagent	2
15	Fehling Solution No. 1 500 ml	2
16	Fehling Solution No.2 500 ml	2
17	N- Butyl Alcohol 500 ml	8
18	Albumin	1
19	Lamposol 500 ml	3
20	Formaldehyde 5 Ltr	2
21	Chloroform 500 ml	2
22	Threonine	1
23	Burette	5
24	Copper Sulphate	1
25	Leishman Stain	2
26	PH indicator solution	2
27	Hydrochloric acid	1
28	Nitric acid	1
29	Antiserum A, B, D	3
	Glasswares/Consumables	
1	Micro slide	5
2	Coverslip	5
3	Camel hair brush	25

4	Brush large	5
5	BOD bottle	15
6	Test tube	100
7	Test tube stand	12
8	Cotton	2
9	Dropper long Borosil glass 6*	10
10	Dropper long 8* Latex teat	10
11	Chromatography paper whatman No. 1	10
12	Black paper	25
13	Blood lancet	100
14	PH paper	5