



Phone No. – (03222)241224/9609214919

PINGLA THANA MAHAVIDYALAYA

NAAC Accredited College (2nd Cycle)

P.O. – MALIGRAM ✪ DIST. – PASCHIM MEDINIPUR ✪ PIN. - 721140

E-mail : pingla_college@rediffmail.com/pinglacollege@gmail.com

No.-

Date :

NOTICE

Sealed tenders are invited from the reputed firm/agency/vendor having valid GST certificate for supplying the Lab based materials/instruments etc. listed below of Pingla Thana Mahavidyalaya “To, The Principal, Pingla Thana Mahavidyalaya, P.O. – Maligram, Paschim Medinipur, Pin 721140”. The authority preserves the right either to reject or accept the tender without showing any causes.

All the firm owner/agency/vendor are requested to mention only the discount rate of the material/instruments or the discount percentage against the printed price mentioning brand’s name.

- i) Last date of Quotation submission is 28.08.2019 up to 03.30 p.m.
- ii) The tenders will be opened on 29.08.2019 at 1.30 pm in the college.



[Handwritten Signature]
Principal

Pingla Thana Mahavidyalaya
Maligram, Paschim Madinipur

Principal

Pingla Thana Mahavidyalaya

P.O. Maligram, Dist.-Midnapore

To

The Principal
Pingla Thana Mahavidyalaya

Date : 07. 08. 2019

Sub: Submission of laboratory requirement list of various laboratory based department as per decision made in 2nd Laboratory sub committee meeting dated 18.07.2019

Sir,

With due respect and honour I am submitting the complete requirement lists of various laboratory based departments which were submitted to me, as per decision taken in the laboratory subcommittee meeting dated 18.07.2019 . Kindly do the needful and forward the list to the convener of purchase sub committee so that each laboratory based departments get their material as early as possible.

Thanking you

Sincerely yours

Enclosed

1. Requirement list of chemistry
2. Requirement list of Zoology
3. Requirement list of Botany
4. Requirement list of Botany
5. Requirement list of Geography
6. Requirement list of Physics

Parash Selin
(Convener. Lab. Sub. Committee)

*Forwarded to
Convener,
Purchase Sub-committee
on 07/08/19*



PINGLA THANA MAHAVIDYALAYA

Department of Chemistry, Post: Maligram. Dist: Paschim Medinipur. West bengal. India.

Reagents and equipment requirement list for the session 2019-2020 (Semester-I,III and IV)

Sl. No	Item description	Make	amount
1	Copper sulphate	any	500 g
2	Chloroform	any	500 ml
3	Sodium hydroxide	any	500 g
4	Potassium hydroxide	any	500 g
5	Glucose	any	500 g
6	Sucrose	any	500 g
7	Cellulose	any	500 g
8	Lignin	any	500 g
9	Methylene blue	any	50 g
10	Oxalic acid	any	1000 g
11	Glycerine	any	1000 ml
12	Phenolphthalein	any	100 g
13	Ascorbic acid	any	100 g
14	Iodine	any	100 g
15	Acetamide	any	500 g
16	Acetanilide	any	500 g
17	Benzamide	any	500 g
18	Potassium bromated	any	500 g
19	Starch	any	500 g
20	Phenol	any	500 ml
21	Acetone	any	1000 ml
22	Vinegar	any	500 ml
23	Urea	any	500 g
24	Sodium hypochlorite	any	500 g
25	Benzoic acid	any	500 ml
26	P-toluidine	any	500 g
27	P-nito benzoic acid	any	500 g
28	P-amino benzoic acid	any	500 ml
29	P-nitro toluene	any	500 g
30	P-anisidine	any	500 ml
31	Ethanol	any	500 ml
32	Cyclohexane	any	500 ml
33	Ethyl methyl ketone	any	500 ml
34	Cyclohexanone	any	500 ml
35	Acetyl acetone	any	500 ml
36	Anisole	any	500 ml
37	Crotonaldehyde	any	500 ml
38	Mesityl oxide	any	100 g
39	Tartaric acid	any	500 g
40	Citric acid	any	500 g
41	Succinic acid	any	500 g
42	Cane sugar	any	500 g



Ref No: PTM/CHEM/Lab/Rqr/19-20/01

Dated : 07. 08. 2019

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Department of Chemistry, Post: Maligram. Dist: Paschim Medinipur. West bengal. India
 Reagents and equipment requirement list for the session 2019-2020 (Semester-I,III and



Sl. No	Item description	Make	amount
43	Salicylic acid	any	500 g
44.	Methyl alcohol	any	500 ml
45	Aniline	any	500 ml
46	Dimethyl aniline	any	500 ml
47	Aniline hydrochloride	any	500 g
48	Sulphanilic acid	any	500 g
49	Bees wax	any	500 g
50	Carnauba wax	any	500 g
51	Petroleum jelly	any	500 g
52	Liquid paraffin	any	500 ml
53	Nitrocellulose	any	100 g
54	Dibutyl Phthalate	any	500 g
55	Polypropyl methacrylate	any	500 ml
56	Butyl acetate	any	500 ml
57	Toluene	any	500 ml
58	Mohrs salt	any	500 g
59	Ferric chloride	any	500 g
60	Manganese Sulphate	any	500 g
61	Sodium Bismuthate	any	500 g
62	Sodium oxide	any	500 g
63	Ammonium chloride	any	500 g
64	Ammonium thiocyanate	any	500 g
65	Barium chloride	any	500 g
66	Test tube	any	1 gross
67	Large size normal filter paper	any	1 pack
68	Whatman 41 filter paper		1 pack
69	Resorcinol	any	500 g
70	B naphthol	any	500 g
71	TLC chamber	any	1 set
72	TLC plates	any	Per piece
73	Sudan yellow	any	100 g
74	Sudan red	any	100 g
75	Ethyl acetate	any	500 ml
76	Phosphomolybodic acid	any	100 g

Ref No: PTM/CHEM/Lab/Rqr/19-20/01

Dated : 07. 08. 2019

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Department of Zoology, Post: Maligram. Dist: Paschim Medinipur. West bengal. India.

Reagents and equipment requirement list for the session 2019-2020 (Semester-I,III and IV)

Ref No: PTM/ZOOL/Lab/Rqr/19-20/01 Date: 07. 08. 2019



Sl No	Category	Item	Specification	Quantity
1.	Laboratory equipments.	Digital weighing balance (1 g to 200 g)		1
		Distillation plant (2 lit.)		1
		Secchi disc		1
		Thermometer (360 °, Mercury)		1
		Digital water bath		1
		Haemocytometer		1
		Spirit lamp		10
		Dissection tray		1
		Dissection box		1
		Compound microscope		2
2.	Glassware and plastic ware	Conical flask (Borosil)	50 ml	5
			100 ml	5
			500 ml	5
		Measuring cylinder (Borosil)	50 ml	2
			100 ml	2
			500 ml	1
		Beakers	250 ml	10
			500 ml	10
		Test tube (Borosil)		40
		Petridish (80×15 mm)		40
		Pipette (volumetric) (Borosil)	5 ml	
			10 ml	
			20 ml	
				5
			500 ml	10
		20		
		20		
		5 boxes		
		5 boxes		
		2		
3.	Chemicals	Absolute ethanol	500 ml	5
		Acetic acid	500 ml	1
		Acetocarmine stain	100 ml	1
		Trypan Blue (Loba)	125 ml	1
		Starch	500 g	1
		Absorbent cotton		2
		Non absorbent cotton		1
		Tissue paper roll		20
		Aluminium foil		2

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Department of Botany, Post: Maligram. Dist: Paschim Medinipur. West bengal. India.

Reagents and equipment requirement list for the session 2019-2020 (Semester-I,III and IV)

Ref No: PTM/BOTA/Lab/Rqr/19-20/01

Date: 07. 08. 2019



Sl. No.	Permanent slide	Specification	Number	remarks
BACTERIA				
1	Bacterial conjugation	Compound microscope	1	
2	Endospore formation		1	
3	Binary fission		1	
ALGAE				
4	Oedogonium	Whole mount apical cap Nannandrops Macrandous	1	
5	Coleochaetae	Reproductive and vegetative	1 each	
6	Vaucheria	Reproductive and vegetative	1 each	
7	Ectocarpus	Reproductive and vegetative	1 each	
8	Polysiphonia	Reproductive and vegetative	1 each	
9	Volvox	Reproductive and vegetative	1 each	
10	Fucus	Reproductive and vegetative	1 each	
FUNGI				
11	Penicillium	Sexual, Asexual	1 each	
12	Aspergillus	Asexual	1	
13	Peziza	Section through ascocarp	1	
14	Ascobolus	Section through ascocarp	1	
15	Agaricus	Section through gills	1	
16	Albugo	Sexual, Asexual	1 each	
17	Phaneroplasmidium	Stemonitis sporangia	1	
LICHENS				
18	Crustose, foliose fruticose	VS of thallus	1	separate
19	Soredia, apothecium	In section	1	
BRYOPHYTA				
20	Marchantia	VS of antheridiophore	1	
		VS of archegoniophore	1	
		LS of sporophyte	1	
21	Anthoceros	VS of Thallus LS of sporophyte	1 each	
22	Pellia	TS of Gameotophyte LS of sporophyte	1each	
23	Porella	TS of Gameotophyte LS of sporophyte	1 each	
24	Sphagnum	Whole mount of leaf	1	
25	Funaria	LS of capsule LS of protonema LS of antheridial head LS of archegonial head		

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Ref No: PTM/BOTA/Lab/Rqr/19-20/01

Date: 07. 08. 2019

Sl. No.	Permanent slide	Specification	Number	remarks
	PTERIDOPHYTE			
26	Pteris	Whole mount of prothallus with sex organs and sporophyte TS rhizome, young sporophyte		
27	Psilotum	TS of synangium		
28	Selaginella	LS of strobilus		
29	Equisetum	TS of rhizome		
	GMNOSPERM			
30	Cycas:	TS of root TS of ovule		
31	Pinus	TS of stem TS of male cone		
32	Gnetum	TS of stem TS of male cone		
	PALAEOBOTANY			
33	Lyginopteris	TS		
34	Ptylophylum	TS		
35	Vertebraria	TS		
	ANATOMY			
36	Tectona			
37	Apical meristem	Root, shoot, vascular cambium		



LIST OF SPECIMENS

Sl. No.	Specimen	Specification	Quantity	Remaks
1	Fucus	Vegetative and reproductive	1 vial	
2	Gnetum	Young stem	1 vial	
3	Pinus	Stem	1 vial	

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Reagents and equipment requirement list for the session 2019-2020 (Semester-I,III and IV)

Ref No: PTM/BOTA/Lab/Rqr/19-20/01

Date: 07. 08. 2019



Glass goods and miscellaneous

Sl. No.	Item	Specification	Quantity	remarks
1	Glass slides	Blue star/ pathology, non cloudy pic 1	1 box	
2	Glass cover	Round/ square, pic 1, non cloudy	1 box	
3	Beaker	50 ml, borosil 100 ml, borosil 250 ml	10 pieces 10 pieces 10 pieces	
4	Volumetric flask	100 ml, borosil 250 ml, borosil	2 pieces 1 pieces	
5	Funnel	Small	10 pieces	
6	Filter paper	10 cm diameter	2 boxes	
7	Wash bottle	Plastic, fiber fitted with bent pipe	4 pieces	
8	Micro pipette	10-1000 microlitre (Vertex/ tarson)	1 pieces	
9	Microtips	Tarson 100-1000 microlitre.	1 box	
10	Pipette puller		1	
11	Eppendorf tube	2 ml	1 box	
12	Eppendorf tube rack			
13	Haemocytometer		2 in no	
14	Slide sticker		5	
15	Microscope pointer		2	
16	Coloured print		50 plates	
17	Culture tube	Borosil	1 box	
18	Potassium dichromate	Nice/merck	250 g	
19	Ferrous ammonium sulphate	Nice/merck	250 g	
20	Nitric acid	Nice/merck	250 g	
21	Distilled water		5 lit	
22	Ammonium molybdate	Nice/merck	100 g	
23	Malt extract	Loba/ nice	500 g	
24	Peptone	Loba/ nice	500 g	
25	Agar	Loba/ nice	500 g	
26	Dextrose	Loba/ nice	500 g	

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Department of Geography, Post: Maligram. Dist: Paschim Medinipur. West bengal. India.
Reagents and equipment requirement list for the session 2019-2020 (Semester-I,III and IV)

Ref No: PTM/GEOG/Lab/Rqr/19-20/01

Date: 07. 08. 2019

Sl. No.	Items	Quantity	Remarks
1	Soil testing kit	01	
2	Imagery hard copy	03	
3	Calculator scientific	05	
4	Tracing paper	2 packs	



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Department of Physics, Post: Maligram. Dist: Paschim Medinipur. West bengal. India.

Reagents and equipment requirement list for the session 2019-2020 (Semester-I,III and IV)



Ref No: PTM/PHYS/Lab/Rqr/19-20/01

Date: 07. 08. 2019

Sl. No.	Description of Material	Make	Rate / Unit
1	To show the tunnelling effect in tunnel diode using I-V	Make- Friends Scientific	1 set
2	Hall effect Experiment	Make- SES	1 set
1.	Hall probe Ge crystal n type		
2.	Hall probe Ge crystal p type		
3.	Hall probe stand		
4.	Electromagnet model EMU 50v		
5.	Digital Gaussmater DGM-102		

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