

# *Yogoda Satsanga Mahavidyalaya*

JAGANNATHPUR, DHURWA, RANCHI – 4, Jharkhand.

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No. YSM/120(B)/Genl. /2022

Date: 14/10/2022

To

M/s. ....

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Sub.: Quote your rates for the Laboratory Items as the lists attached.

Dear Sir/Madam,

Please quote your rate for the laboratory items as per lists attached herewith.

You are requested to mention discount percentage, GST percentage and company made, etc. in your quotation.

Please send your quotation through sealed envelope to the office by 02.11.2022.

Thanking you,

Yours faithfully

Principal

# Chemistry Lab

S.N	Name	Requirement
1.	Aniline	1x 500 ml.
2.	Acetone	1x 500 ml.
3.	Acetic Acid	2x 500 ml.
4.	Ammon. chloride	2x 500 g
5.	Ammon. Sulphate	1x 500 g
6.	Acetic Anhydrid	1x 500 ml.
7.	Benzox	1x 500g
8.	Benzoyl chloride	1x 500 g
9.	Beaker	2x 1 doz.
10.	Burette	2x 1 doz.
11.	Conical flask	2x 1 doz.
12.	Ethanol.	1x 500 ml.
13.	Pot. Sulphate	1x 500 g
14.	HCl	1x 2.5L
15.	Litmus. paper (Red & Blue)	2-2 Pkt
16.	Methyl Salicylate	1x 500g
17.	Measuring Jar	1 Pkt.
18.	Nitric Acid	1x 2.5L
19.	Pot. Ferricyanide	1x 500g
20.	Phenolphthalein	1x 100 g
21.	Pot. Iodide	1x 100 g
22.	Reagent bottle	1x 1 doz.
23.	Sod. Thio Sulphate	1x 500g
24.	Sod. Acetate	1x 500g
25.	T.T. Holder	2x 1 doz.

<b>Department of Botany</b>		
<b>List of Materials</b>		
1	Cavity Blocks slides	6
2	Microscope slipdes	2
3	Square cover glass	5box
4	Forceps pointed	5
5	Pippets (2ml/5ml/10ml)	1each
6	Droppers (Small/medium)	1each
7	Ph Paper	5 packet
8	Rain gauge	1
9	Stage micrometerwith ocular	1
10	Ganong's potometer	1
11	Measuring cylinder(25ml/50ml)	1each
<b>Permanenet / Prepared slides</b>		
1	Gram's negative bacillus	1 Piece each
2	Gram's posative bacillus	1 Piece each
3	Oedogonium thallus	1 Piece each
4	Oedogonium Capcell	1 Piece each
5	OedogoniumNamandrous	1 Piece each
6	vaucheria thallus	1 Piece each
7	Coleochaete thallus	1 Piece each
8	Chara thallus	1 Piece each
9	Chara reproductive stage	1 Piece each
10	Ectocarpns thallus	1 Piece each
11	Fucus thallus	1 Piece each
12	Polysiphonia thallus	1 Piece each
13	Fucus male and female conceptacle	1 Piece each
14	Agaricus gills	1 Piece each
15	Pemicillum Conidial	1 Piece each
16	Peziza apothecia v.s	1 Piece each
17	Puccinia uredo on wheat leaf	1 Piece each
18	Puccinia Pycnia V.S	1 Piece each
19	Rhizopus vegetative	1 Piece each
20	Ustilago with host	1 Piece each
21	Yeast Cell	1 Piece each
22	Marchantia Gemmaecup	1 Piece each
23	Marchantia thallus	1 Piece each
24	Funaria capsule	1 Piece each
25	Anthoceros thallus	1 Piece each
26	Selaginella leaf	1 Piece each
27	SelaginellaStrobillus	1 Piece each
28	T.S. Root Cycus	1 Piece each
29	Pinus Stem T.S	1 Piece each
30	Gnetum Stem T.S	1 Piece each
31	Oule Gnetum V.S	1 Piece each
32	Conjoint collaterl V.B	1 Piece each
33	Radial V.B	1 Piece each

34	Amphitropus ovule	1 Piece each
35	Orthotropus ovule	1 Piece each
36	Circinotropous ovule	1 Piece each
37	Germinating pollen grains	1 Piece each
38	Kranz anatomy T.S	1 Piece each
39	Golgi Bodies prepared slide	1 Piece each
40	Chloroplast prepared slide	1 Piece each
41	Translocation Ring	1 Piece each
42	Laggards and Inversion Bridge	1 Piece each
43	Parenchyma	1 Piece each
44	Collenchyma	1 Piece each
45	Sclerenchyma	1 Piece each
46	Tracheids	1 Piece each
47	Vessels	1 Piece each
	<b>Chemicals</b>	
1	Nitric Acid	500 ml
2	Chromic Acid	500 ml
3	Potassium Hydroxide	500 ml
4	Sodium Chloride	500 g
5	Calcium nitrate	200 g
6	Boric Acid	50 g
7	Sucrose Powder	200 g
8	calcium Carbonate	500 g
9	Formaldehyde	1 lit.
10	Acetocarmine solution	100 ml
	<b>Charts</b>	
1	Meiosis (Plant)	1
2	Bacterial Conjugation	1
3	DNA/RNA Polymerase	1
4	Spliceosome/ Splicing	1
5	Hill Reaction	1
6	Fucus life cycle	1
7	Pteris life cycle	1
8	Funaria Capsule	1
9	Selaginella life cycle	1
10	Anthoceros life cycle	1
11	Polysiphonia	1

**SPECIMENS FOR ZOOLOGY LAB**

1. Obelia	2. Herdmania
3. Euplectella	4. Branchiostoma
5. Millepora	6. Petromyzon
7. Corallium	8. Myxine
9. Alcyonium	10. Ichthyophis
11. Fungia	12. Necturus
13. Madrepora	14. Bufo
15. Ctenopora	16. Alytes
17. Male Ascaris Lumbricoides	18. Trionyx
19. Ophiura	20. Varanus
21. Echinus	22. Uromastrix
23. Cucumaria	24. Draco
25. Nereis	26. Ophiosaurus
27. Sabella	28. Hydrophis
29. Serpula	30. Zamenis
31. Pheretima	32. Crocodylus
33. Peripatus	34. Sphyrna
35. Daphnia	36. Pristis
37. Cancer	38. Torpedo
39. Julus	40. Chimera
41. Bombyx	42. Heteropneustes
43. Periplaneta	44. Labeo
45. Termites	46. Exocoetus
47. Honeybees	48. Echeneis
49. Dentalium	50. Anguilla
51. Doris	52. Tetradon/Diodon
53. Helix	54. Flat fish
55. Ostrea	56. Sorex
57. Pinctada	58. Loris
59. Sepia	60. Herpestes
61. Nautilus	62. Erinaceus
63. Balanoglossus	

## PERMANENT SLIDES FOR ZOOLOGY LAB

1. Tornaria Larva
2. Binary fission in Paramecium
3. Conjugation in Paramecium
4. Whole mount of Euglena
5. Whole mount of Amoeba
6. Whole mount of Paramecium
7. T.S. of male Ascaris Lumbricoides
8. T.S. of Female Ascaris Lumbricoides
9. Mouth Parts of Cockroach
10. Trachea of Cockroach
11. Salivary gland of cockroach
12. T.S. of pharynx of earthworm
13. T.S. of Gizzard of earthworm
14. T.S. of Typhlosole intestine of earthworm
15. T.S. of peripatus
16. Various stages of mitosis
17. Various stages of meiosis
18. Barr body slide
19. Polytene chromosome
20. Lampbrush chromosome
21. Slides of Placoid scales
22. Slides of Cycloid scales
23. Slides of Ctenoid scales
24. Slides of mammalian Endoplasmic Reticulum
25. Slides of mammalian Mitochondria
26. Slides of mammalian Golgi apparatus
27. Slides of mammalian Nucleus
28. Slide of Glochidium larva
29. Pedicellaria of Starfish
30. Bipinnaria larva
31. Branchiolaria larva
32. Ophiopluteus larva
33. Echnopluteus larva
34. Permanent slides of sections of mammalian Oesophagus
35. Permanent slides of sections of mammalian Stomach
36. Permanent slides of sections of mammalian Duodenum
37. Permanent slides of sections of mammalian Ileum
38. Permanent slides of sections of mammalian Rectum
39. Permanent slides of sections of mammalian Liver
40. Permanent slides of sections of mammalian Trachea
41. Permanent slides of sections of mammalian Lung
42. Permanent slides of sections of mammalian Kidney
43. Different kinds of Antennae of Insects
44. Different kinds of legs of Insects
45. Different kinds of Mouth parts of Insects
46. Insect Spiracles

47. Permanent slides of mammalian Hypothalamus
48. Permanent slides of mammalian Pitutary
49. Permanent slides of mammalian Thyroid
50. Permanent slides of mammalian Adrenal
51. Permanent slides of mammalian Pancreas
52. Permanent slides of mammalian Parathyroid
53. Permanent slides of mammalian Testis
54. Permanent slides of mammalian Ovary
55. Colonial urochordata sections of Balanoglossus through Proboscis
56. Branchiogenital region sections of Amphioxus through pharyngeal region
57. Branchiogenital region sections of Amphioxus through Intestinal region
58. Branchiogenital region sections of Amphioxus through Caudal region
59. Permanent slide of Herdmania Spicules

**Please quote rates for each item as above.**

**Charts FOR ZOOLOGY LAB**

1. Lifecycle of Plasmodium
2. Evolution of symmetry and segmentation of metazoa
3. Locomotion of Protozoa
4. Reproduction in Protozoa
5. Coral and coral reefs
6. Lifecycle of Ascaris
7. Lifecycle of Wuchereria
8. Osmoregulation in Fishes
9. Poisonous and non-poisonous snake
10. Biting mechanism in snake
11. Flight adaptation in birds
12. Parental care in Fishes
13. Parental care in Amphibia
14. Adaptive radiation with reference in locomotary appandages
15. Types of beaks of birds
16. Types of claws of birds
17. Charts of endocrine glands
18. Nucleic acids
19. Classification of enzymes
20. Excretion in annelid
21. Torsion and detorsion in mollusca
22. Pearl formation in bivalves
23. Metamorphosis in insects
24. Social life in bees and termites
25. Chart of mammalian heart
26. Arterial system in mammal
27. Venous system in mammal
28. Excretory system of mammal
29. DNA replication in prokaryote
30. DNA replication in Eukaryotes
31. Comparative study of Transcription mechanism of prokaryotes and eukaryotes
32. Comparative study of Translation mechanism of prokaryotes and eukaryotes
33. Post transcription modification and processing in eukaryotes
34. Post translational modification and processing in eukaryotes
35. Mendelian genetics
36. Linkage, crossing over and chromosomal mapping
37. Types of fins and their modifications in Fishes
38. Extra embryonic membranes in Birds
39. Early development of frog and chick upto gastrulation
40. Evolution of horse
41. Evolution of Man
42. Phylogenetic tree

**Please quote rates for each item as above.**

**LIST OF CHEMICALS FOR ZOOLOGY LAB**

Name	Quantity
1. DPX	1 bottle 100 ml
2. Copper II sulphate	1 bottle
3. Picric Acid	1 bottle
4. Glycerol	1 bottle
5. Barium Chloride	1
6. Barium Sulphate	1
7. Leishmanis stain nsolution	1 bottle
8. Acetic acid	1 bottle
9. Dehydrated Alcohol	1 bottle
10. Oil ceda wood	1
11. Formaldehyde solution	1 bottle
12. Xylene	1 bottle
13. Butanol	1 bottle
14. Benedict reagent	1 bottle
15. Acetic acid	1 bottle
16. Milloris reagent	1 bottle
17. Carmine powder	1
18. Indigo Carmine	1
19. Hematoxyline stain	1 bottle
20. Buffer capsule	1 pkt
21. Eosin	1 bottle
22. Eosin yellow	1 bottle
23. Methyl blue	1 bottle

**EQUIPMENTS FOR ZOOLOGY LAB**

<b>Name</b>	<b>Quantity</b>
1. Glass slides plane	100 Pc
2. Slide Box (50 slides capacity)	2 boxes wooden
3. Coverslips	1 pkt
4. PH paper (Strip)	2 pkt
5. Almirah for chart	2

**Bones**

1. Disarticulated skeleton of Frog, Varanus, Fowl and Rabbit