



चरैवेति चरैवेति

# SHIBPUR DINO BUNDHOO INSTITUTION (COLLEGE)

(1948)

Degree & P.G. College (Affiliated to the University of Calcutta)

Re-Accredited with "B" Grade (2.50/4.00 CGPA) by NAAC

**Date: 04.08.2018**

## **TENDER NOTICE**

**Urgent quotation in sealed envelope is invited and should be submitted within 7 days to the Department for the following items required to efficiently conduct the Practical Classes under CBCS system 2018-2019**

**For the Department of Botany of SDBI (College)**

### **Chemicals**

<b><u>Name</u></b>	<b><u>Units</u></b>
1. Citric acid	4
2. Mercuric Chloride	2
3. Tartaric acid	4
4. Malic acid	4
5. Oxalic acid	4
6. Dextrose	2
7. Fructose	2
8. Starch	2
9. <b><u>Sucrose</u></b>	3
10. NaOH pellet	2
11. HCl	1
12. <b><u>pH strip (wide range)</u></b>	1
13. <b><u>Ethanol (absolute)</u></b>	20
14. Spirit (methylated)	20
15. Liquor Ammonia	2
16. CaCl <sub>2</sub>	2
17. AgNO <sub>3</sub>	3
18. HNO <sub>3</sub>	3
19. H <sub>2</sub> SO <sub>4</sub>	2
20. KMNO <sub>4</sub>	1
21. Denig's Reagent	2
22. Lead acetate	3
23. Resorcinol	1
24. Cobalt nitrate	1
25. BaCl <sub>2</sub>	1
26. Ammonium oxalate	1
27. Na <sub>2</sub> HPO <sub>4</sub>	1
28. Parafilm	1
29. Potassium ferrocyanide	1
30. Ammonium thiocyanate	1
31. Fehling's A solution	2
32. Fehling's B solution	2

33. Benedict's quantitative reagent	2
34. Benedict's qualitative reagent	2
35. Barfoed's reagent	2
36. Seliwanoff's reagent	2
37. CuSO <sub>4</sub>	2
38. Sodium acetate	2
39. Nynhydrin	1
40. Millon's reagent	1
41. <u>Acetone</u>	5
42. Calcium carbonate	2
43. KOH	1
44. <u>Cyclohexane</u>	2
45. Glycine (powder)	1
46. <u>Phenolphthalein</u>	2
47. Cobalt chloride	1
48. Sodium carbonate	1
49. <u>Methanol</u>	10
50. H <sub>2</sub> O <sub>2</sub>	1
51. Urea (powder)	2
52. Beef extract	1
53. Peptone	1
54. Folin phenol	1
55. Na-K tartarate	1
56. Sodium bicarbonate	2
57. NaCl	4
58. Chloroform	2
59. Petroleum ether	2
60. N-butanol	2
61. HF	1
62. <u>Cotton blue</u>	2
63. <u>Lactic acid</u>	3
64. <u>Light green stain</u>	1
65. <u>Gram's iodine</u>	1
66. <u>Crystal violet</u>	1
67. <u>DPX</u>	1
68. <u>Euparol</u>	1
69. <u>Safranin</u>	1
70. <u>Ceder wood oil</u>	1
71. <u>Bismark brown</u>	1
72. <u>White Paraffin (low melting point wax)</u>	1
73. <u>Agar agar</u>	3
74. <u>PDA media</u>	2
75. <u>Bacterial media</u>	2
76. <u>Perchloric acid</u>	2
77. <u>Tryptophan</u>	
78. FeCl <sub>3</sub>	

### Samples and Slides

Name		Units
79. <u>Anatomy secondary growth samples</u> (as per syllabus) Each	5 Samples -	3 Units
80. <u>Anatomy microscopic slides</u> (as per syllabus) of each type		1 Slide
81. <u>Pteridophyte sample</u> ( <i>Selaginella, Equisetum</i> ) each		4 units
82. <u>Pteridophyte permanent slides</u> (as per syllabus) of each type		1 Slide
83. <u>Gymnosperm permanent slides</u> (as per syllabus) of each type		1 Slide
84. <u>Algae samples</u> (as per syllabus) Each	3 Samples -	5 Units
85. <u>Algae permanent slides</u> (as per syllabus) each type		1 Slide of
86. <u>Algae macroscopic specimen</u> (as per syllabus) type		1 of each
87. <u>Fungi samples</u> ( <i>Rhizopus, Ascobolus</i> ) Each	2 Samples -	5 Units
88. <u>Fungi, lichen permanent slides</u> (as per syllabus) each type		1 Slide of
89. <u>Pathology permanent slides</u> each type		1 Slide of
90. <u>Bryophyte permanent slides</u> (as per syllabus) each type		1 Slide of

### Accessories

Name	Units
1. <u>Filter paper</u>	3
2. <u>Blotting paper</u>	3
3. <u>Tripod stand</u>	5
4. <u>Spirit lamp</u>	3-4
5. A <sub>4</sub> paper	2
6. <u>Ink cartridge</u> (Black ink only)	1
7. <u>Test tube racks</u>	5
8. Mortar and pestle	10
9. Scalpel	4
10. Pipette releaser (pump)	2
11. <u>Absorbent and non absorbent cotton</u>	1 (Each Type)
12. <u>Butter paper</u>	2
13. <u>Micropipette</u>	3
14. Eppendorf tubes	5 box
15. Doctors slides	5 box
16. Doctors cover slip	5box
17. <u>Spatula</u>	3

### Instruments

1. <u>Occular division scale</u>	15
2. <u>Stage micrometer</u>	15
3. <u>Drawing prism</u>	10
4. <u>Water distillation plant with accessories</u>	1
5. Cork borer Set	2
6. Thermometer	4
7. <u>Digital weighing machine (3 decimal accuracy)</u>	2
8. <u>Compound microscope</u>	10
9. <u>Simple microscope</u>	10
10. <u>Colorimeter</u>	2
11. <u>Pan balance and weight box</u>	3
12. <u>Spectrophotometer</u>	1
13. <u>Centrifuge- High rpm 2-5000rpm</u>	1
14. <u>UV illuminator</u>	1
15. <u>DNA extraction kit</u>	2
16. <u>Gel running tray</u>	2
17. <u>Coloumn chromatography apparatus</u>	2
18. <u>Haemocytometer</u>	1
19. <u>Laminar Air Flow</u>	1
20. <u>Ambient Cold water Bath</u>	1

### Glass Goods

1. <u>Long neck funnel</u>	8
2. Chlorophyll separator funnel	2
3. Inoculation needle	5
4. <u>Respiroscope (With porous cork and fitting tube)</u>	10
5. <u>Glass Funnel</u> (2,4 inch diameter)	10
6. <u>Conical flask</u> (100ml)	20 (Each Type)
7. <u>Beaker</u> (10,50,100ml)	20 (Each Type)
8. <u>Measuring cylinder</u> (10,50,100,500 ml)	4 (Each Type)
9. <u>Burette</u>	15
10. <u>Pipette ( 2,5,10 ml)</u>	15
11. <u>Glass Dropper</u>	10
12. <u>Glass rod</u>	10
13. <u>Culture tube</u>	50
14. <u>Test tube</u>	100
15. <u>Petriplates (standard size)</u>	25 pair

- *Underlined items are required on emergency basis*

Date : 04-08-2018

By Order  
Teacher-In-Charge