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**REQUISITION OF
DEPARTMENT OF BOTANY**

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Annexure -1

Botanical Sample Specimens

Sl. No.	Item	Requirements (Bottled sample)
1.	<i>Anabaena</i>	5
2.	<i>Oedogonium</i>	5
3.	<i>Chara</i>	5
4.	<i>Vaucheria</i>	5
5.	<i>Ectocarpus</i>	5
6.	<i>Polysiphonia</i>	5
7.	<i>Volvox</i>	5
8.	<i>Mucor,</i>	5
9.	<i>Penicillium,</i>	5
10.	<i>Agaricus,</i>	5
11.	<i>Rhizopus,</i>	5
12.	<i>Ascobolus,</i>	5
13.	<i>Agaricus.</i>	5
14.	<i>Riccia,</i>	5
15.	<i>Funaria with mature capsule,</i>	5
16.	<i>Marchantia,</i>	5
17.	<i>Anthoceros with sporophyte,</i>	5
18.	<i>Lycopodium with stobilus,</i>	5
19.	<i>Selaginella with sporangia,</i>	5
20.	<i>Equisetum,</i>	5
21.	<i>Marsilea.</i>	5
22.	<i>Pteris with cenosorus.</i>	5
23.	Stems of <i>Cucurbita,</i>	5
24.	Stems of <i>Dracaena,</i>	5
25.	Stems of <i>Bignonia,</i>	5
26.	Stems of <i>Boerhaavia,</i>	5
27.	Stems of <i>Tecoma,</i>	5
28.	Stems of Sunflower,	5
29.	Stems of Maize,	5
30.	Stems of <i>Cucurbita.</i>	5
31.	Leaves of <i>Bambusa</i>	5
32.	Leaves of <i>Nerium,</i>	5
33.	Leaves of <i>Bambusa.</i>	5

34.	Roots of <i>Vanda</i> ,	5
35.	Roots of <i>Tinospora</i> ,	5
36.	Roots of <i>Gram</i> ,	5
37.	Roots of <i>Arum</i> ,	5
38.	Roots of <i>Orchid</i> .	5
39.	Powder of <i>Alstonia</i> bark,	5
40.	Powder of <i>Adhatoda</i> leaf,	5
41.	Powder of <i>Strychnos</i> seed	5
42.	Powder of <i>Zinziber</i> rhizome	5
43.	<i>Nostoc</i>	5
44.	<i>Chlamydomonas</i>	5
45.	<i>Fucus</i>	5
46.	<i>Polysiphonia</i>	5
47.	<i>Alternaria</i>	5
48.	<i>Puccinia</i>	5
49.	Lichens (crustose, foliose and fruticose)	5
50.	<i>Pteris</i>	5
51.	<i>Cycas</i>	5
52.	<i>Pinus</i>	5

Annexure -2

Botanical Chart

Sl. No.	Item	Requirements
1.	Normal Secondary Growth in dicot stem	1
2.	Structure of a ideal bacterial cell	1
3.	T.S. of Gram root	1
4.	T.S. of Maize stem	1
5.	T.S. of Bambusa leaf	1
6.	Floral Diagram &floral formula	1
7.	Development of a typical normal(8 nucleated) embryo sac.	1
8.	Post fertilization changes in <i>Capsella</i> sp	1

9.	T.S. of thallus Riccia sp	1
10.	L.S. of Anthoceros sporophyte	1
11.	L.S. of Funaria capsule	1
12.	L.S. of Selaginella strobilus	1
13.	T.S. of Pteris leaf with sorus	1
14.	L.S. of Ovule in Cycas sp	1
15.	L.S. of Ovule in Gnetum sp	1
16.	Life cycle of Gymnosperm	1
17.	Lytic and Lysogenic Cycle	1
18.	Structure of a ideal bacterial cell	1
19.	Binary Fission of Bacteria	1
20.	Conjugation of Bacteria	1
21.	Structure of root nodule of Bacteria.	1
22.	T.S. of thallus Riccia sp	1
23.	L.S. of Anthoceros sporophyte	1
24.	L.S. of Funaria capsule	1
25.	L.S. of Selaginella strobilus	1
26.	T.S. of Pteris leaf with sorus	1
27.	L.S. of Ovule in Cycas sp	1
28.	L.S. of Ovule in Gnetum sp	1
29.	Life cycle of Gymnosperm	1

Annexure -3

Microscope

Model	Description	Requirement
Magnus HB Microscope	Monoocular 10x, 40x & 100x lens, oil immersion	5 nos.
Olympus CX21i Binocular stereo microscope	binocular, with 5x, 10x, 40x & 100x lens, oil immersion & stereo zoom	1 no.

Annexure- 4

LABORATORY GLASS GOODS

Sl. No.	Glass goods	Make	Quantity
1.	Beaker-1000ml	Borosil	10 pcs.
2.	Beaker-500ml	Borosil	10 pcs.
3.	Beaker-250ml	Borosil	10 pcs.
4.	Beaker-100ml	Borosil	10 pcs.
5.	Conical Flask-1000m	Borosil	10 pcs.
6.	Conical Flask-500ml	Borosil	10 pcs.
7.	Conical Flask-250ml	Borosil	10 pcs.
8.	Conical Flask-100ml	Borosil	10 pcs.
9.	Reagent Bottle- 1000ml	Borosil	10 pcs.
10.	Reagent Bottle-500ml.	Borosil	10 pcs.
11.	Reagent Bottle-250ml.	Borosil	10 pcs.
12.	Reagent Bottle-100ml.	Borosil	10 pcs.
13.	Measuring Cylinder- 1000ml.	Borosil	10 pcs.
14.	Measuring Cylinder-500ml.	Borosil	10 pcs.
15.	Measuring Cylinder-250ml.	Borosil	10 pcs.
16.	Measuring Cylinder-100ml.	Borosil	10 pcs.
17.	Burettes	Borosil	10 pcs.
18.	Test Tube	Borosil	100pcs.
19.	Glass Rod	Borosil	50pcs.
20.	Funnel	Borosil	10 pcs.
21.	Pipettes- 20ml	Borosil	10 pcs.
22.	Pipettes-5ml	Borosil	10 pcs.
23.	Pipettes-10ml	Borosil	10 pcs.
24.	Petridish	Borosil	10 pcs.
25.	Watch Glass	Borosil	10 pcs.
26.	Slide box	Borosil	5pkt.
27.	Cover Slip	Borosil	5pkt.
28.	Dropping Bottle	Borosil	20pcs.
29.	Magnifying glass 20x & 40 x	Borosil	1pc each
30.	Graduated Glas Tube	Borosil	10pcs.

Annexure -5**Chemicals**

Sl. No.	Item	Make	Quantity
1.	Carmin Powder	Nice	10 gm
2.	Lactophenol in Cotton Blue	Nice	500 ml
3.	Ethanol	Nice	500 ml
4.	Xylene	Nice	500 ml
5.	Copper sulphate	Nice	500 gm
6.	Sodium Acetate	Nice	500 gm
7.	Fheling's reagent	Nice	500 ml
8.	Barford's Reagents	Nice	500ml
9.	Tannin solution	Nice	500ml
10.	Sulfuric Acid	Nice	5 x 500 ml
11.	Hydrochloric Acid	Nice	5 x 500 ml
12.	Agar powder	Nice	5 x 500gm
13.	Tris- chloride buffer	Nice	2 x 500ml
14.	FeulgenAceto carmine	Nice	500ml
15.	Ammonium nitrate	Nice	500gm
16.	Calcium chloride	Nice	500gm
17.	Magnesium sulphate	Nice	500gm
18.	Potassium nitrate	Nice	500gm
19.	Glycine	Nice	100ml
20.	Kinetin	Nice	100ml
21.	Indole Acetic Acid	Nice	100ml
22.	Molisch's reagent	Nice	500ml
23.	Seliwanoff's Reagent	Nice	500ml

Annexure -6

Sl. No.	Item	Maker	Quantity
1.	Steel Almirah	Godrej	02
2.	Glass with light setting specimen display rack	Any standard company	02
3.	Refrigerator	4 star (190 liter), double door	01