

DEPARTMENT OF BOTANY
GOVERNMENT COLLEGE, KARIAVATTOM, TRIVANDRUM- 695 581
INDENT OF THE BOTANICAL SPECIMENS REQUIRED FOR PRACTICALS-2025-26

SL. NO	PARTICULARS OF SPECIME	QUANTITY REQUIRED
PHYCOLOGY		
1.	Nostoc	3 Vials/Tubes
2.	Chlorella	3 Vials/Tubes
3.	Volvox	1 Vial/Tube
4.	Oedogonium	3 Vials/Tubes
5.	Chladophora	1 Vial/Tube
6.	Chara	3 Vials/Tubes
7.	Vaucheria	1 Vial/Tube
8.	Pinnularia	1 Vial/Tube
9.	Sargassum Stipe	40 No.
10.	Sargassum Receptacle	40 No.
11.	Polysiphonia	3 Vials/Tubes
MYCOLOGY		
12.	Rhizopus	3 Vials/Tubes
13.	Saccharomycetes	1 Vial/Tube
14.	Xylaria	20 No.
15.	Peziza	15 No.
16.	Pennicillium	1 Vial/Tube
17.	Puccinia	50 No.
18.	Agaricus	15 No.
19.	Cercospora	15 No.
LICHENOLOGY		
20.	Usnea thallus	10 No.
PLANT PATHOLOGY		
21.	Leaf Mosaic Of Tapioca	15 No.
22.	Citrus Canker	15 No.
23.	Blast Of Paddy	15 No.
24.	Root Wilt Of Coconut	15 No.
25.	Brown Spot Of Paddy	30 No.
26.	Powdery Mildew Of Rubber	30 No.
27.	Yellow Vein Mosaic Of Lady's Finger	30 No.
28.	Quick Wilt Of Pepper	30 No.

SL. NO	PARTICULARS OF SPECIME	QUANTITY REQUIRED
BRYOPHYTA		
29.	Riccia	50 No.
30.	Marchantia	20 No.
31.	Polytricum	25 No.
32.	Anthoceros	25 No.
33.	Funaria	20 No.
PTERIDOPHYTA		
34.	Psilotum	15 No.
35.	Lycopodium	15 No.
36.	Selaginella	50 No.
37.	Equisetum Stem	15 No.
38.	Equisetum Strobilus	15 No.
39.	Pteris Petiole	50 No.
40.	Pteris Sporophyll	50 No.
41.	Marselia Vegetative- Rhizome/ Petiole	15 No.
42.	Marselia Sporocarp	15 No.
43.	Adiantum Sporophyll	15 No.
44.	Adiantum Petiole	15 No.
GYMNOSPERMS		
45.	Cycas – Leaflet	15 No.
46.	Cycas – Rachis	15 No.
47.	Cycas - Coralloid Root	15 No.
48.	Cycas – Male Cone	1 No.
49.	Cycas – Megasporophyll With Ovule	1 No.
50.	Pinus - Needle	50 No.
51.	Pinus – Male cone	1 No.
52.	Pinus – Female cone	1 No.
53.	Gnetum- Male Cone	15 No.
54.	Gnetum- Female Cone	15 No.
ANATOMY		
55.	Dicot Stem- Centella	50 No.
56.	Dicot Stem- Chromolaena	50 No.
57.	Dicot Stem – Eupatorium	50 No.
58.	Dicot secondary Stem – Vernonia	50 No.
59.	Anomalous stem - Bignonia	15 No.
60.	Anomalous stem - Boerhaavia	50 No.
61.	Papaya Root	50 No.
62.	Tinospora Root	50 No.
63.	Limnanthemum Root	50 No.
64.	Colacasia / Musa Root	50 No.
65.	Dracaena stem	
66.	Grass Stem	50 No.
67.	Asparagus Stem	50 No.
68.	Dicot Leaf – Ixora	50 No.

69.	Monocot Leaf – Zea mays	50 No.
PALYNOLOGY		
70.	Balsam flower/ Mature bud	15 No.
71.	Hibiscus flower/ Mature bud	15 No.
72.	Vinca flower/ Mature bud	15 No.
73.	Crotalaria flower/ Mature bud	15 No.
74.	Ixora flower/ Mature bud	15 No.
75.	Bougainvillea flower/ Mature bud	15 No.

MORPHOLOGY - INFLORESCENCE		
76.	Simple Raceme - Crotalaria	50 No.
77.	Corymb - Ceasalpinia	50 No.
78.	Spike- Achyranthus	50 No.
79.	Catkin- Acalypha	50 No.
80.	Spadix – Colacasia/ Anthurium	50 No.
81.	Capitulum – Tridax / Sun flower	50 No.
82.	Simple Cyme - Jasminum	50 No.
83.	Dichasial Cyme – Dianthus	50 No.
84.	Helicoid Cyme – Hamelia	50 No.
85.	Scorpioid Cyme - Heliotropium	50 No.
86.	Polychasial Cyme - Clerodendron	50 No.
87.	Umbel- Biophytum	50 No.
88.	Thyrus- Ocimum	50 No.
89.	Verticillaster - Leucas	50 No.
90.	Cyathium – Euphorbia	50 No.
91.	Hypanthodium – Ficus	50 No.
92.	Coenanthemum - Dorstenia	50 No.
TAXONOMY (Flowering twigs of two Genera from each Family)		
93.	Annonaceae	2x50 Nos.
94.	Nymphaeaceae	2x50 Nos
95.	Malvaceae	2x50 Nos
96.	Rutaceae	2x50 Nos
97.	Anacardiaceae	2x50 Nos
98.	Fabaceae	2x50 Nos
99.	Caesalpinioideae	2x50 Nos
100.	Mimosoideae	2x50 Nos
101.	Myrtaceae	2x50 Nos
102.	Cucurbitaceae	2x50 Nos
103.	Apiaceae	2x50 Nos
104.	Rubiaceae	2x50 Nos
105.	Asteraceae	2x50 Nos
106.	Sapotaceae	2x50 Nos
107.	Apocynaceae	2x50 Nos
108.	Asclepiadaceae	2x50 Nos
109.	Solanaceae	2x50 Nos

110.	Scrophulariaceae	2x50 Nos
111.	Acanthaceae	2x50 Nos
112.	Verbanaceae	2x50 Nos
113.	Amaranthaceae	2x50 Nos
114.	Lamiaceae	2x50 Nos
115.	Euphorbiaceae	2x50 Nos
116.	Orchidaceae	2x50 Nos
117.	Scitaminae – 4 sub families	2x50 Nos
118.	Liliaceae	2x50 Nos
119.	Arecaceae	2x50 Nos
120.	Poaceae	2x50 Nos
ETHONOBOTANY / ECONOMIC BOTANY		
121.	Hemidesus	5 No.
122.	Acorus calamus	5 No.
123.	Withania somnifera	5 No.
124.	Myristica	5 No.
125.	Aegle marmelos	5 No.
126.	Cynodon Dactyon	5 No.
127.	Trichopus zeylanicus	5 No.
ECOLOGY		
128.	Hydrilla	5 No.
129.	Pistia	5 No.
130.	Nerium	5 No.
131.	muehlenbeckia	5 No.
132.	Opuntia	5 No.
133.	Asparagus	5 No.
134.	Ruscus	5 No.
135.	Loranthus	5 No.
136.	Cuscuta	5 No.
137.	Vanda	5 No.
138.	Avicennia pneumatophores	5 No.
139.	Avicennia vivipary (seed)	5 No.



(Signature)

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HOD of Botany