

## Department of Botany

List of requirements for UG BOTANY Honours and General courses

Sl. No.	Particulars	Company	Quantity
1	Conical flask	Borosil	100 ml=6 250 ml= 10 500 ml= 6 1000 ml=6
2	Beaker	Borosil	100 ml=6 250 ml= 10 500 ml= 6 1000 ml=6
3	Petridish	Borosil	20 pcs.
4	Test tubes	Do	100 pcs.
5	Culture Tubes	Do	20 pcs.
6	Glass rods	Any	6 pcs
7	Separating funnel	any	6 pcs.
8	Measuring cylinder	Tarsons / Borosil	50 ml. = 4 100 ml.= 4 500 ml. = 2
9	Round bottom flask	Borosil	250 ml = 6
10	Glass tube with fitted cork	do	6
11	Short steemed jet funnel	do	6
12	Reagent bottles (glass + plastic)	any	20 +20 pcs.
13	Pipette	Borosil	1 ml= 6 2 ml= 6 5 ml= 6 10ml= 4
14	Micropipette	Ependrof	1 - 5 ml = 1 0 – 2 ml = 1
15	micro tips	Any	2 box
16	Ice bucket	Any	4pcs.
17	Blotting paper	Any	1 rim
18	Filter paper	Whattman	4 box
19	Sucrose		250gm
20	Glucose		250gm
21	Simple Microscope	Any	12 PCs
22	Compound Microscope	Gokko / Ajay	10 PCs
23	Iodine		250 ml
24	Cotton Blue		500ml = 2
25	Lactophenol		500ml = 2

26	Nutrient broth		500g
27	Peptone		100gm
28	Beef extract		500gm
29	Ethanol		500ml x 10=5 lt.
30	Methylated spirit		2 lit.
31	Potato Dextrose Agar		500gm
32	Large (6") Mortar & pestle	Any	6 PCs
33	Small (3") Mortar & pestle	Any	6 PCs
34	Glass funnel	Borosil	6 PCs
35	Cork borer and piston (good quality)	any	6 PCs
36	Thermometer		5 pcs
37	Electric weighing balance (.001 – 100g)	Any	1
38	Electric balance (10 g – 500g)	Any	1
39	Vortex	Any	1
40	Colorimeter (with cuveds)	Any	1
41	DNA Standard	EMarc	50gm
42	RNA Standard	EMarc	50 gm
43	Saline citrate		250 ml
44	Diphenylamine reagent		250 ml
45	Orcinol acid reagent		250 ml
46	Orcinol powder		50 gm
47	Tris-acetate		100 ml
48	EDTA buffer		100 ml
49	Haemocytometer	Any	2 pcs.
50	Perchloric Acid		500ml.=2
51	Acetaldehyde solution		500 ml.=2
52	Methyl green pyronin solution		100 ml.
53	Methyl green solution		100 ml.
54	Methyl blue		100ml.
55	Chloroform		500 ml. = 2
56	Distilled Water		20 lt.
57	NaCl		250g
58	Sodium Citrate		100g
59	NaOH		250 g
60	FeCl <sub>3</sub>		100 g

61	N – Butyl alcohol		2lt.
62	Orcein		500 ml.
63	carmine		500 ml.
64	<i>Ptilophyllum</i> leaf fossils rocks		01
65	<i>Glossopteris</i> leaf fossils rocks		01
66	T.S. STEM OF LEPIDODENDRON		01
67	T.S. STEM OF LYGINOPTERIS		01
68	T.S. STEM OF CORDAITES		01
69	Permanent slides of mitosis cell divisions (4 stages) of <i>Allium cepa</i>		1+1+1+1=4
70	Permanent slides of scattered metaphase plate of <i>Allium cepa</i> , <i>Lens esculentum</i> and <i>Aloe vera</i>		1+1+1=3
71	Permanent slides of Pycnial stage of <i>Puccinia graminis</i>		01
72	Permanent slides of porate , colpate and colporate pollens		1+1+1=3
73	Permanent slides of Zygosporangium of <i>Rhizopus</i> sp.		1
74	Permanent slides of different types of stomata		1+1+1+1+1
75	Permanent slides of conidia of <i>Fusarium</i> sp.		1
76	Permanent slides of transfusion tissue		1
77	Permanent slides of anomalous structure of stem of <i>Bignonia</i> sp. , <i>Boerhavia</i> sp. , <i>Tecoma</i> sp., <i>Dracaena</i> sp.		1+1+1+1=4
78	Permanent slides of		1

	anomalous structure of root of <i>Tinospora</i> sp.		
79	Permanent Specimens of <i>Anthoceros</i> sp. <i>Riccia</i> sp. , <i>Porella</i> sp., <i>Cyathus</i> sp.		1+1+1+1=4
80	Permanent slides of <i>Funaria</i> sp. With peristome teeth.		2
81	Permanent slides of Synangium of <i>Psilotum</i> sp.		2
82	Specimens for workout – cone of <i>Selaginella</i> sp. And <i>Equisetum</i> sp.		4+4=8