

## DEPARTMENT OF BOTANY

### FACILITIES AVAILABLE

#### Laboratories and Classrooms:

The Department of Botany has sufficient facilities for teaching. There are two well equipped classrooms cum laboratories to meet the demand of the academic curriculum.

#### Museum:

Collections of various botanical specimens (algae, fungi, bryophytes, pteridophytes, gymnosperms, pathological specimens and palaeobotanical specimens) in dry and wet form are preserved and displayed in a proper order in the museum.

#### List of Museum specimens

Name of the Museum specimens		No of equipment	Required for	
			Year	Semester
Morphological specimens	Algae	05	1 <sup>st</sup> year,	1 <sup>st</sup> SEM
	Fungi	10	1 <sup>st</sup> year,	1 <sup>st</sup> SEM
	Bryophytes	05	1 <sup>st</sup> year,	2 <sup>nd</sup> SEM
	Pteridophytes	04	2 <sup>nd</sup> year	2 <sup>nd</sup> SEM
	Gymnosperms	03	2 <sup>nd</sup> year	2 <sup>nd</sup> SEM
	Angiosperms morphology	01	2 <sup>nd</sup> year	3 <sup>rd</sup> SEM
	Fossil specimen	01	2 <sup>nd</sup> year	3 <sup>rd</sup> SEM
	Pathological specimens	05	3 <sup>rd</sup> year	1 <sup>st</sup> SEM
Permanent slides	Algae	07	1 <sup>st</sup> year,	1 <sup>st</sup> SEM,
	Fungi	03	1 <sup>st</sup> year,	1 <sup>st</sup> SEM,
	Bryophytes	06	1 <sup>st</sup> year,	1 <sup>st</sup> SEM
	Pteridophytes	05	2 <sup>nd</sup> year	2 <sup>nd</sup> SEM
	Gymnosperms	07	2 <sup>nd</sup> year	2 <sup>nd</sup> SEM
	Plant anatomy	08	3 <sup>rd</sup> year	2 <sup>nd</sup> SEM
	Cytology	12	3 <sup>rd</sup> year	4 <sup>th</sup> SEM
	Fossil slide	02	2 <sup>nd</sup> year	3 <sup>rd</sup> SEM

	Pathological slide	04	3 <sup>rd</sup> year	1 <sup>st</sup> SEM
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#### DETAILED LIST OF PRESERVED SPECIMENS

SL NO.	NAME OF SPECIMEN	NO.
1.	Male cone of <i>Gnetum</i> sp.	2
2.	Female cone of <i>Gnetum</i> sp.	2
3.	<i>Anthoceros</i> sp.	1
4.	Male cone of <i>Pinus</i> sp.	3
5.	Sporophytic plant body of <i>Selaginella</i> sp.	2
6.	<i>Marselia</i> sp. plant with sporocarp	1
7.	Thallus of <i>Marchantia</i> sp.	1
8.	<i>Funaria</i> sp. plant with Capsule	5
9.	Microsporophyll of <i>Cycas</i> sp.	2
10.	<i>Pogonatum</i> sp.	1
11.	Plant body of <i>Ophioglossum</i> sp.	1
12.	Plant body of <i>Lycopodium</i> sp.	5
13.	Macrosporophyll of <i>Cycas</i> sp.	2
14.	Basidiocarp of <i>Lentinus</i> sp.	1
15.	Plant body of <i>Chara</i> sp.	2
16.	<i>Pleurozium</i> sp.	1
17.	<i>Marchantia</i> sp. with Gemma cup	8
18.	Fruticose Lichen	4
19.	<i>Equisetum</i> sp. plant with Cone	3
20.	<i>Selaginella</i> sp. with Strobilus	7
21.	<i>Equisetum</i> sp. sporophyte	2
22.	<i>Lycopodium</i> sp. with Strobilus	1
23.	<i>Marchantia</i> sp. with Archegoniophore	1
24.	Foliose Lichen	2
25.	<i>Pellia</i> sp. Plant body	1
26.	Thallus of <i>Riccia</i> sp.	2
27.	<i>Plesiochasma</i> sp.	1
28.	Fruit body of <i>Cyathus</i> sp.	2
29.	Bacterial blight of Rice	1
30.	Fruit body of <i>Polyporus</i> sp.	2
31.	Stem Rot of Jute	1
32.	Loose Smut of Wheat	2
33.	Fruit body of <i>Agaricus</i> sp.	1
34.	Brown Spot of Rice	1
35.	Late Blight of Potato	2
36.	<i>Fucus</i> sp.	1
37.	Black Stem Rust of Wheat	1
38.	<i>Riccia</i> sp. Thallus with Sporophyte	1
39.	Plant body of <i>Dryopteris</i> sp.	1
40.	Female cone of <i>Pinus</i> sp.	1
41.	<i>Ophioglossum</i> sp. plant with Spike	2
42.	Crustose Lichen	1

43.	<i>Laminaria</i> sp. Plant body	1
44.	<i>Sargassum</i> sp. Plant body	1

### List of Equipments

Sl No	Name of the equipment	No	Whether in use or not in use	Required for	
				Year	Semester
1	Compound Light Microscope	20	In use	<u>Honours</u> (1 <sup>st</sup> year, 3 <sup>rd</sup> year ) <u>General</u> (2 <sup>nd</sup> year, 3 <sup>rd</sup> year)	<u>Honours</u> (1 <sup>st</sup> SEM, 2 <sup>nd</sup> SEM, 3 <sup>rd</sup> SEM, 4 <sup>th</sup> SEM, 5 <sup>th</sup> SEM, 6 <sup>th</sup> SEM) <u>General</u> (1 <sup>st</sup> SEM, 2 <sup>nd</sup> SEM, 3 <sup>rd</sup> SEM, 4 <sup>th</sup> SEM)
2	Simple Light Microscope	24	In use	<u>Honours</u> (2 <sup>nd</sup> year) <u>General</u> (2 <sup>nd</sup> year)	<u>Honours</u> (2 <sup>nd</sup> SEM, 3 <sup>rd</sup> SEM) <u>General</u> (2 <sup>nd</sup> SEM)
2	Drawing prism	12	In use	<u>Honours</u> (1 <sup>st</sup> year, 3 <sup>rd</sup> year)	<u>Honours</u> (1 <sup>st</sup> SEM, 5 <sup>th</sup> SEM, 6 <sup>th</sup> SEM)
4	Stage micrometers	05	In use	<u>Honours</u> (1 <sup>st</sup> year, 3 <sup>rd</sup> year)	<u>Honours</u> (1 <sup>st</sup> SEM, 5 <sup>th</sup> SEM, 6 <sup>th</sup> SEM)
5	Ocular micrometers	10	In use	<u>Honours</u> (1 <sup>st</sup> year, 3 <sup>rd</sup> year)	<u>Honours</u> (1 <sup>st</sup> SEM, 5 <sup>th</sup> SEM, 6 <sup>th</sup> SEM)
6	Haemocytometer	02	In use	-	<u>Honours</u> (5 <sup>th</sup> SEM)
7	Pan balances	02	In use	<u>Honours</u> (3 <sup>rd</sup> year) <u>General</u> (2 <sup>nd</sup> year)	<u>Honours</u> (1 <sup>st</sup> SEM, 4 <sup>th</sup> SEM, 5 <sup>th</sup> SEM, 6 <sup>th</sup> SEM) <u>General</u> (4 <sup>th</sup> SEM)
8	Analytical balance	03	In use	<u>Honours</u> (3 <sup>rd</sup> year)	<u>Honours</u> (1 <sup>st</sup> SEM, 4 <sup>th</sup> SEM, 5 <sup>th</sup> SEM, 6 <sup>th</sup> SEM)

				<u>General</u> (2 <sup>nd</sup> year)	SEM) <u>General</u> (4 <sup>th</sup> SEM, 5 <sup>th</sup> SEM)
9	Autoclave	04	In use	<u>Honours</u> (3 <sup>rd</sup> year) <u>General</u> (3 <sup>rd</sup> year)	<u>Honours</u> (1 <sup>st</sup> SEM) <u>General</u> (5 <sup>th</sup> SEM)
10	Hot air oven	02	In use	<u>Honours</u> (3 <sup>rd</sup> year)	<u>Honours</u> (2 <sup>nd</sup> SEM, 4 <sup>th</sup> SEM)
11	Water bath	02	In use	<u>Honours</u> (3 <sup>rd</sup> year) <u>General</u> (3 <sup>rd</sup> year)	<u>Honours</u> (5 <sup>th</sup> SEM, 6 <sup>th</sup> SEM) <u>General</u> (5 <sup>th</sup> SEM)
12	pH meter	02	In use	<u>General</u> (3 <sup>rd</sup> year)	<u>General</u> (5 <sup>th</sup> SEM)
13	Incubator	02	In use	<u>Honours</u> (3 <sup>rd</sup> year) <u>General</u> (3 <sup>rd</sup> year)	<u>Honours</u> (1 <sup>st</sup> SEM) <u>General</u> (5 <sup>th</sup> SEM)
14	Centrifuge	02	In use	<u>General</u> (3 <sup>rd</sup> year)	<u>Honours</u> (5 <sup>th</sup> SEM) <u>General</u> (5 <sup>th</sup> SEM)
15	Hot plate	01	In use	<u>Honours</u> (2 <sup>nd</sup> year, 3 <sup>rd</sup> year) <u>General</u> (2 <sup>nd</sup> year)	<u>Honours</u> (2 <sup>nd</sup> SEM, 4 <sup>th</sup> SEM) <u>General</u> (1 <sup>st</sup> SEM)
16	Computer with printer and scanner	01	In use	<u>Honours</u> (1 <sup>st</sup> year, 2 <sup>nd</sup> year, 3 <sup>rd</sup> year) <u>General</u> (1 <sup>st</sup> year, 2 <sup>nd</sup> year, 3 <sup>rd</sup> year)	<u>Honours</u> (1 <sup>st</sup> SEM, 2 <sup>nd</sup> SEM, 3 <sup>rd</sup> SEM, 4 <sup>th</sup> SEM, 5 <sup>th</sup> SEM, 6 <sup>th</sup> SEM) <u>General</u> (1 <sup>st</sup> SEM, 2 <sup>nd</sup> SEM, 3 <sup>rd</sup> SEM, 4 <sup>th</sup> SEM, 5 <sup>th</sup> SEM, 6 <sup>th</sup> SEM)

17	Desecrator	03	In use	<u>Honours</u> (3 <sup>rd</sup> year) <u>General</u> (2 <sup>nd</sup> year)	<u>Honours</u> (6 <sup>th</sup> SEM) <u>General</u> (4 <sup>th</sup> SEM, 6 <sup>th</sup> SEM)
18	Fridge	01	In use	<u>Honours</u> (2 <sup>nd</sup> year, 3 <sup>rd</sup> year) <u>General</u> (2 <sup>nd</sup> year, 3 <sup>rd</sup> year)	<u>Honours</u> (1 <sup>st</sup> SEM, 3 <sup>rd</sup> SEM, 5 <sup>th</sup> SEM, 6 <sup>th</sup> SEM) <u>General</u> (2 <sup>nd</sup> SEM, 3 <sup>rd</sup> SEM, 4 <sup>th</sup> SEM, 5 <sup>th</sup> SEM, 6 <sup>th</sup> SEM)
19	Binocular Microscope	01	In use	<u>Honours</u> (3 <sup>rd</sup> year)	<u>Honours</u> (1 <sup>st</sup> SEM, 4 <sup>th</sup> SEM)
20	Overhead projectors	01	In use	All	All