

Course Code : BBYCL-132
Course Title : Biodiversity (Microbs, Algae, Fungi and Archegoniates):
Laboratory
Credits : 2

Sr. No.	List of Practicals	Date	Time	Name of the Teacher
1.	To Study Oedogonium, Polysiphonia, Fucus. (Temporary preparation and permanent slides)	19-11-2022	From 10.00 AM	Ms. Prabhjyoti
2.	To study Alternaria, Puccinia and Agaricus (Specimens mount, Photograph, Slide preparation & permanent slides)	19-11-2022	From 2.00 PM	Ms. Prabhjyoti
3.	Ecto Mycorrhiza and Endomycorrhiza (Photographs)	26-11-2022	From 10.00 AM	Ms. Prabhjyoti
4.	Marchantia- Male plant, Female plant, Gemma cups (Specimens) Sex Organs (Permanent slides)	26-11-2022	From 10.00 PM	Ms. Prabhjyoti

ANanda
Co-ordinator
Prof. Arvind Nanda
Coordinator
IGNOU Doaba College
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Doaba College Study Centre (2212)


Course Code : BBYCL-134
Course Title : Plant Ecology and Taxonomy: Laboratory
Credits : 2

Sr. No.	List of Practicals	Date	Time	Name of the Teacher
1.	Study of Morphological adaptations of Hydrophytes and Xerophytes (4 each)	22-10-2022	From 10.00 AM	Ms. Prabhjyoti
2.	Study of Vegetative & Floral Characters of the following families: (Description of flower, V.S of flower, T.S of Ovary Floral Diagram, Floral formula & Economic Importance, systematic position. (i) Family- Brassicaceae (Brassica, Alyssum, Iberis) (ii) Family- Asteraceae (Sonchus, Ageratum Helianthus.) (iii) Family- Solanaceae (Solanum, Withania) (iv) Family- Lamiaceae (Ocimum, Salvia) (v) Family – Liliaceae (Allium, Asphodeles, Lilium)	29-10-2022	From 2.00 PM	Ms. Prabhjyoti


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Course Code : BBYCL-136
Course Title : Plant Ecology and Taxonomy: Laboratory
Credits : 2

Sr. No.	List of Practicals	Date	Time	Name of the Teacher
1.	Tissues- (Parenchyma, Collenchyma & Sclerenchyma) Macerated Xylem elements Phloem- (Permanent slides, Models, Photographs)	5-11-2022	From 10.00 AM	Ms. Prabhjyoti
2.	Stem – Dicot (Helianthus) Monocot (Zeamays) Root- Dicot & Monocot (secondary growth in stem & Root- Permanent slides) Leaves- Dicot & Monocot Leaf (permanent slides)	5-11-2022	From 2.00 PM	Ms. Prabhjyoti


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Course Code : **BBYCL-138**
Course Title : **Plant Physiology and Metabolism: Laboratory**
Credits : **2**

Sr. No.	List of Practicals	Date	Time	Name of the Teacher
1.	To determine the osmotic potential of cell sap by plasmolytic method. To Calculate the Stomatal index and stomatal frequency of a mesophyte and a xerophyte.	12-11-2022	From 10.00 AM	Ms. Prabhjyoti
2.	To demonstrate the activity of enzyme catalase & study the effect of P ^H & enzyme concentration	12-11-2022	From 2.00 PM	Ms. Prabhjyoti


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