

Teaching Plan
F.Y.B.Sc. Botany [Semester - I]
Course Code- BOT-101A-T
Course Title: Basics of Plant Sciences
AY-2026-27

Sr. No.	Month	Topic
1	July-26	Credit I 15 1Plant Sciences 1.1. Plant Sciences 1.2. Subfields of Plant Sciences 1.3. Importance of Plant Sciences 1.4. Applications of Plant Sciences 1.5. Career Opportunities in Plant Sciences 2Plant Diversity 2.1. Definition and concept of Plant Diversity 2.2. General outline of Plant Kingdom 2.3. Importance of plant diversity 3Algae 3.1 Definition, general characters of algae with suitable examples 3.2 Classification, Morphology and Reproduction in <i>Nostoc</i> 3.3 Economic importance of Algae • Food, Feed and Beverage industry • Cosmetics and Skin Care industry • Pharmaceutical industry • Biofuel industry • Bioremediation • Waste water treatment • Carbon sequestration
2	Aug-26	4Fungi 4.1 Definition, general characters of fungi with suitable examples 4.2 Classification, Morphology and Reproduction in <i>Agaricus</i> 4.3 Economic importance of Fungi • Food and Beverage industry • Agriculture • Pharmaceutical industry • Environmental applications • Textile industry • Biofuel industry • Paper industry 5Lichen 5.1 Definition, general characters of Lichen with suitable examples -crustose, foliose and fruticose 5.2 Types of lichen 5.3 Economic importance of lichens • Food and beverages • Medicine • Cosmetics • Dyes and Pigments • Environmental monitoring • Bioremediation

3	Sep-26	Bryophytes 6.1 Definition, general characters of Bryophytes with suitable examples 6.2 Classification, Morphology and Reproduction in <i>Riccia</i> 6.3 Economic importance of Bryophytes • Horticulture and landscaping • Medicine • Food and beverages • Environmental monitoring • Bioremediation Pteridophytes 7.1 Definition, general characters of Pteridophytes with suitable examples 7.2 Classification, Morphology and Reproduction in <i>Azolla</i> 7.3 Economic importance of Pteridophytes • Ornamental and landscaping • Medicine • Food, fodder and beverages • Environmental monitoring • Dyes
4	OCT-	Gymnosperms 8.1 Definition, general characters of Gymnosperms with suitable examples 8.2 Classification, Morphology and Reproduction in <i>Cycas</i> 8.3 Economic importance of Gymnosperms • Ornamental and landscaping • Medicine • Food, fodder and beverages • Environmental monitoring • Dyes • Bioremediation • Timber and wood Angiosperms 9.1 Definition, general characters of Angiosperms with suitable examples 9.2 Economic importance of Angiosperms • Ornamental and landscaping • Medicine • Food, fodder and beverages • Environmental monitoring • Dyes and pigments • Biofuels • Bio-plastics • Timber • Fiber Revision and Assignment



Dr Jagtap S M

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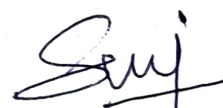
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