

## WEEK WISE LESSON PLAN, Even Semester 2020

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Class and Section: B. Sc. MEDICAL, VI<sup>th</sup> Semester, Subject: BOTANY

### JANUARY

Weeks	Topics
Week 1	Discovery of Enzymes
Week 2	Nomenclature and Characteristics of Enzymes Concept of Holoenzyme and Apoenzyme Concept of coenzyme and cofactor
Week 3	Regulation and Mechanism of enzyme activity Growth and Development General introduction to plant Hormones
Week 4	Discovery and mechanism of action of Gibberellins Discovery and mechanism of action of Auxins
Week 5	Discovery and mechanism of action of Cytokinin Oral and written tests

### FEBRUARY

Week	Topics
Week 1	Discovery and mechanism of action of Abscic acid and Ethylene
Week 2	Photomorphogenesis Phytochromes Seminar/ Power point presentation and discussion
Week 3	DNA Recombinant Technology
Week 4	Tools used in DNA Recombinant Technology Vectors and Enzymes
Week 5	Basic steps used in DNA Recombinant Technology

### Week wise Lesson Plan for the month MARCH

Week	Topics
Week 1	Types of Cloning Cellular Totipotency Dedifferentiation, Re-differentiation
Week 2	Library c-DNA Library
Week 3	Holi Vacations
Week 4	Genomic, Transposable elements
Week 5	Biology of <i>Agrobacterium</i> <i>Agrobacterium</i> mediated gene transfer

### Week wise Lesson Plan for the month APRIL

Week	Topics
Week 1	Various vectors utilized for gene delivery Seminar/ Power point presentation and discussion
Week 2	Marker genes
Week 3	Aspects of Plant Tissue Culture Tissue culture Laboratory visit
Week 4 & 5	Revision of the whole syllabus <ul style="list-style-type: none"><li>• Through audio-visual practice</li><li>• Specimen</li><li>• Group discussion</li><li>• Seminars and power point presentations</li></ul> Oral and written tests