

Weeks	Lesson plan (weekly) Session-2021-22(even semester) Subject-BOTANY (B.SC-6thsem)	Name of teacher- JYOTI SINGH
1 ST WEEK	1.ENZYMES- REGULATION & MECHANISM OF ENZYMES	
2ND WEEK	1.TISSUE CULTURE 2. AGROBACTERIUM	
3RD WEEK	1. CLASS TEST 2. RECOMBINANT DNA TECHNOLOGY	
4TH WEEK	1. GENOMIC & cDNA libraries 2.CLONING VECTORS 3. ASSIGNMENTS	
5TH WEEK	LIPIDS-FUNCTION & CLASSIFICATION, STORAGE & MOBILIZATION OF FATTY ACID	
6TH WEEK	1. NITROGEN METABOLISM	
7 TH WEEK	1. NITROGEN METABOLISM 2. CLASS TEST	
8TH WEEK	1. RESPIRATION-INTRODUCTION 2. AEROBIC & ANAEROBIC RESPIRATION	
9TH WEEK	1. GLYCOLYTIC PATHWAY 2. KREB CYCLE 3. CLASS TEST	

10TH WEEK	ORIGIN DISTRIBUTION & ECONOMIC IMPORTANCE OF CEREALS & VEGETABLES
11TH WEEK	1. PULSES-ORIGIN DISTRIBUTION & ECONOMIC IMPORTANCE 2. GROUP DISCUSSION
12 TH WEEK	1. OILS- GROUNDNUT, MUSTARD, SUNFLOWER & COCONUT 2. CLASS TEST
13TH WEEK	1. SPICES- ORIGIN DISTRIBUTION & ECONOMIC IMPORTANCE 2. FIBRES-JUTE, COTTON, FLAX
14TH WEEK	1. MEDICINAL PLANTS-- ORIGIN DISTRIBUTION & ECONOMIC IMPORTANCE 2. CLASS TEST
15TH WEEK	1. BEVERAGES-TEA & COFFEE 2. . RUBBER & SUGAR-BOTANICAL DESCRIPTION & USES

Weeks	Lesson plan (weekly) Session-2021-22(odd semester) Subject-BOTANY (B.SC-5thsem)	Name of teacher- JYOTI SINGH
1 ST WEEK	1. Properties & importance of water, imbibition, diffusion & osmosis. 2. Transpiration & physiology of stomata	
2ND WEEK	1.Mineral uptake & deficiency symptoms 2. Essential macro & micro elements	
3RD WEEK	1. CLASS TEST Transport of phloem & factor affecting	
4TH WEEK	1. Photosystem, photophosphorylation 2. photosynthesis pigments	
5TH WEEK	1. Photosynthesis- calvin cycle, C4 pathway 2. CAM Plants & photorespiration	
6TH WEEK	1. ASSIGNMENT 2. Growth & development. Seed dormancy	
7 TH WEEK	1. Plant movements, florigen concept 2. Senescence, fruit ripening	
8TH WEEK	1. mechanism of action of hormones auxins, gibberellins 2. Ethylene, photo morphogenesis	

9TH WEEK	1. Phytochrome 2. CLASS TEST
10TH WEEK	Ecology scope & importance ,level of organization Environment factor-climatic, edaphic
11TH WEEK	1. Environment factors- topographic & biotic 2. GROUP DISCUSSION
12 TH WEEK	1. Plants to water stress & salinity- hydrophytes, xerophytes, halophytes 2. Community ecology concept & characters
13TH WEEK	1. Ecosystem- structure, food chain, food web, energy flow 2. Carbon & nitrogen cycle
14TH WEEK	1. Phosphorous and hydrological cycle 2. Phyto geographical region in India & forest
15TH WEEK	1. Pollution, greenhouse effect, global warming 2. . Ozone layer depletion, Biomagnification