

LESSON PLAN

Class 13 6th Sem.

Stream _____

Section _____

Discipline _____

Month	Units/ Semester	Topics Proposed to be covered	No of Classes Required for coverage	Remarks
<u>May-20</u>		<u>Plant metabolism</u>		
<u>CC-XIII</u>	<u>VIII-</u>	oxidative decarboxylation of Pyruvate - Regulation of PDH NADH shuttle, TCA cycle		
		Amphibolic role, Anapleurotic reactions, Regulation of cycle Mitochondrial electron transport		
		oxidative phosphorylation cyanide resistant respiration factors affecting respiration		
		Mechanism of ATP Synthesis Substrate level phosphorylation Chemiosmotic Mechanism		
		ATP Synthase Boyers conformational model Racker, Jagendorf Expt		
		Role of Uncouplers.		
		Synthesis & breakdown of triglyceride β -oxidation, Glyoxylate cycle		
		Gluconeogenesis, its role in metabolism of lipids during seed germination		
	<u>U-V</u>	Denitrification, Nitrogen metabolism Nitrate assimilation Biological N_2 fixation (legumes, Nonlegumes)		
		Physiology, biochemistry of N_2 fixation NH_3 assimilation, Transamination		
		<u>CC-XIII (Pr)</u>		
		<ul style="list-style-type: none"> Effect of CO_2 on photosynthesis To compare rate of transp in diff. parts of plants. Demⁿ of absorption spectrum of photosynthetic pigments. 		

Total Classes proposed in the page + Previous page = Total

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May	VI	<u>Mycology & Phytopathology</u>		
		<ul style="list-style-type: none"> ◦ Definition, General characteristics ◦ Affairities with plants & animals ◦ Thallus organization, cell wall composition, Nutrition ◦ Classification ◦ Zygomycota - Gen. cha, Ecology 		
		<ul style="list-style-type: none"> ◦ Thallus organization, life cycle of Rhizopus. ◦ Ascomycota - Gen. cha, asexual & sexual fruiting bodies ◦ Ecology, Life cycle, Heterokaryosis Parasexuality ◦ Life cycle & classification of Puccinia, Agaricus. 		
		<ul style="list-style-type: none"> ◦ V-II Gen. cha., Stages of Slime mold ◦ Classification, occurrence, Types of Plasmodia, Types of fruiting bodies ◦ Gen. Char. of oomycota, Ecology ◦ Life cycle of Phytophthora & Albugo ◦ Lichen - Symbiotic association ◦ Occurrence, Gen. cha, Growth forms ◦ Range of thallus organization ◦ Association of Algal & Fungal Partner ◦ Reproduction, Mycorrhiza ◦ Ectomycorrhiza, Endmyo, Significance 		

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May-22	DSE III VII	<u>Horticultural Practices</u> • Planning and layout Parks & avenues • Gardening traditions - Ancient Indian, Europeans, Mughal Japanese gardens, Urban forestry - policies & practices		
	VIII	<u>Post harvest technology</u> • Imp. of Post harvest tech.		
		In horticultural crops -		
		• Evaluation of quality traits		
		• Harvesting & handling of fruits		
		• vegetables & cut flowers.		
		• Principles, methods of preser- vation & processing.		
		• Methods of minimizing losses during storage & transportation		
	IX	• Disease control & management		
		• Field & Post harvest diseases.		
		• Identification of deficiency Symptoms.		
		• Remedial measures & nutritional management practices		
		• Coop. Sanitation, IPM strategies etc.		
		• Quarantine Practices		
		<u>Practical</u>		
		• Diff. garden models		
		• Methods of Preservation of fruits & vegetables.		

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Sl. No.	Date of class taken	Period/Time	Lesson actually delivered and Topics covered	Reason for non-coverage	Sign. of Teacher	Sign. of H.O.D.	Sign. of Verifying Officer	Remarks
	25-22		☉ Sunday			☉		
	25-22	+3:30	Innigati methods					
		+3:30	oxidative decarboxylation of PA					
		+3:30	Regulation of PDH					
		+3:30 (PM)	Effect of light on photosynthesis					
	3-5-22		☉ ul fitre			☉		
	4-5-22	+3:30	Hydroponics, Propagation methods (axial, lateral)					
		+3:30	Pro-grafting, air layering			☉		
		+3:30	NADH Shuttle					
	5-5-22	+3:30	Amphibolic cycle, Anapleurotic reaction					
		+3:30	Regulation of TCA cycle					
		+3:30	Mitochondrial electron transport					
	6-5-22		DL to conduct Practical at KRS women's college (1st semester)			☉		
	7-5-22		- do -			☉		
	8-5-22		Sunday			☉		
	9-5-22	+3:30	1st Sem. Pr Exam.					
		+3:30	Scope & limitations			☉		
		+3:30 (PM)	Exp. demonstration of Hill reaction					

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10	5.22	+320sc +330sc	Planning & layout, Park, agency TCA cycle					
11	5.22	+330sc	GE Practical Performed supervisor duty at S.S. Moh, Anantpur					
12	5.22	-	D.L. to conduct CC-I, Bot. (H) Pr at Nilagiri college					
13	5.22	-	do					
14	5.22	-	Sunday					
15	5.22	+310sc +320sc	+2 Exam duty - Definition, Gen. Cha. affluents Plant & animals.					
16	5.22	+320sc +320sc	Ancient, European, Mughal, forestry centres of origin +2 Exam duty					
17	5.22	+310sc +330sc +320sc	Thallos organization, cell wall composition Nutrition, Classification Imp. of postharvest techno. crop domestication					
18	5.22	+310sc +320sc	+2 Exam duty - Zygomycetes, life cycle of rhizopus - Evaluation of quality traits					
19	5.22	+330sc +310sc	Mechanism of ATP synthesis +2 Exam duty - Ascomycota. Asexual and sexual fruiting bodies.					
20	5.22	+330sc +320sc	- Harvesting, handling of fruits +2 Exam duty - examples diversity					
		+310sc +320sc	- Heterokaryosis, parasexuality - vegetable cut flowers, methods of preservation & processing.					
		+330sc +320sc	- Chemiosmotic mechanism Wheat Rice millets					

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25.22	13/11/20	1st sc	Lifecycle & classification of Puccinia, Agaricus.					
	13/11/20	2nd sc	Minimising losses during storage & transportation					
	13/11/20	3rd sc	Role of vacuolers					
	13/11/20	2nd sc	Imp of desume					
25.22	-		Sunday					
25.22	13/11/20	1st sc	Gen. char, Status of S. nemoli					
	13/11/20	2nd sc	Disease control - management					
	13/11/20	3rd sc	potato & sugar cane					
25.22	13/11/20	1st sc	Plasmodium & other fruiting bodies					
	13/11/20	2nd sc	Field & postharvest diseases.					
	13/11/20	3rd sc	Synthesis & breakdown of triglycerides.					
	13/11/20	2nd sc	Spices					
25.22	13/11/20	1st sc	oomycota, Cha. etc. & life cycle of Albugo					
	13/11/20	2nd sc	Identification, deficiency symptoms					
	13/11/20	3rd sc	oxidation, glyoxylate cycle					
	13/11/20	2nd sc	Proctorial meal					
	13/11/20	2nd sc	Beverages					
	13/11/20	2nd sc	Principles of inheritance					
25.22	13/11/20	1st sc	Life cycle of Phytophthora					
	13/11/20	2nd sc	Remedial measures & nutritional management					
	13/11/20	3rd sc	Metabolism of lipid during seed germination.					
	13/11/20	2nd sc	Dry yielding plants.					
25.22	13/11/20	1st sc	Lichen, Symbiosis, Algal fungal association, Gen Char, Growth form					
	13/11/20	2nd sc	corp Sanitation, Imp quarantine					
	13/11/20	3rd sc	Biological of 2 fish					
	13/11/20	2nd sc	Tobacco					
25.22	13/11/20	1st sc	Thallic organization & reproduction of Nostoc					
	13/11/20	3rd sc	Physiology & Bio. of N-fixation					
	13/11/20	2nd sc	Incomplete, co dominance Pleiotropy, Epistasis					

