

Lesson Plan Format
18 weeks (From January 2018 to April 2018)

Name of Assistant /Associate Professor
Class and Section
Subject

.....ANNU.....
B.Sc.III.....
Botany.....
Biochemistry & Biotechnology & Economic Botany.....

Week 1(January 1-6)

Chapter 1 Enzymology

01/01/2018 Basics of Enzymology
 02/01/2018 Nomenclature, characteristics
 03/01/2018 Concept of Holoenzyme, Apoenzyme
 04/01/2018 Co-enzyme & Co-factors
 05/01/2018 Regulation of enzyme activity
 06/01/2017 " " " "

Week 2(January 8-13)

Chapter

08/01/2018 Mechanism of Enzyme action
 09/01/2018 " " " "
 10/01/2018 " " " "
 11/01/2018 Revision
 12/01/2018 "
 13/01/2018 Test

Week 3(January 15-20)

Chapter Respiration

15/01/2018 ATP - the Biological energy currency
 16/01/2018 " " " "
 17/01/2018 Aerobic and anaerobic Respiration
 18/01/2018 " " " "
 19/01/2018 Krebs Cycle
 19/01/2018 electron transport mechanism
 20/01/2018 " " "

Week 4(January 22-27)

Chapter

22/01/2018 ——— Holiday ———
 23/01/2018 Redox - potential oxidative phosphorylation
 24/01/2018 " " " "
 25/01/2018 " " " "
 26/01/2018 ——— Holiday ———

27/01/2018	Pentose - Phosphate Pathway
Week 5 (January 29- Feb 3)	
Chapter Lipid Metabolism	
29/01/2018	Structure & Functions of Lipid
30/01/2018	Fatty acid biosynthesis
31/01/2018	" "
01/02/2018	β -oxidation
02/02/2018	" "
03/02/2018	Saturated & Unsaturated fatty acids
Week 6 (Feb 5-10)	
Chapter	
05/02/2018	Saturated & Unsaturated fatty acids
06/02/2018	Storage & mobilization of fatty acids
07/02/2018	" "
08/02/2018	" "
09/02/2018	Revision
10/02/2018	Holiday
Week 7 (Feb 12-17)	
Chapter Nitrogen Metabolism	
12/02/2017	Nitrogen fixation
13/02/2017	Holiday
14/02/2017	Importance of Nitrate reductase & its regulation
15/02/2017	" "
16/02/2017	" "
17/02/2017	Ammonium assimilation
Week 8 (Feb 19-24)	
Chapter Genetic Engineering & Biotechnology	
19/02/2018	Tools & Techniques of Recombinant DNA technology
20/02/2018	" "
21/02/2018	Cloning Vectors
22/02/2018	Genomic and cDNA Library
23/02/2018	" "
24/02/2018	" "
Week 9 (Feb 26-March 03)	
Chapter	
26/02/2018	Transposable elements
27/02/2018	" "
28/02/2018	[Holiday]
01/03/2018	

02/03/2018	
03/03/2018	[Holiday]
Week 10(March 5-10)	
Chapter	
05/03/2018	Plant Tissue Culture
06/03/2018	" " "
07/03/2018	" " "
08/03/2018	Cellular totipotency
09/03/2018	"
10/03/2018	Differentiation & Morphogenesis
Week 11(March 12-17)	
Chapter	
12/03/2018	Differentiation & Morphogenesis
13/03/2018	Biology of Agrobacterium
14/03/2018	" "
15/03/2018	Vectors of gene delivery & Marker genes
16/03/2018	" "
17/03/2018	Revision
Week 12(March 19-24)	
Chapter Crop Plants	
19/03/2018	Origin, distribution of Crop plants
20/03/2018	Botanical description, cultivation & economic imp. of cereals
21/03/2018	Rice (Cereal)
22/03/2018	wheat (Cereal)
23/03/2018	[Holiday]
24/03/2018	Maize (Cereal)
Week 13(March 26-31)	
Chapter	
26/03/2018	Gram (Pulse)
27/03/2018	Achhar
28/03/2018	Pea
29/03/2018	[Holiday]
30/03/2018	Potato (Vegetable)
31/03/2018	Tomato (")
Week 14(April 02-07)	
Chapter Fibers	
02/04/2018	Onion (")
03/04/2018	Cotton
04/04/2018	Jute

05/04/2018	Fax
06/04/2018	Groundnut & Mustard oil
07/04/2018	Sunflower & Coconut oil
Week 15(April 09-14)	
Chapter	Spices & Medicinal Plant
09/04/2018	Coriander & Fennel
10/04/2018	Ginger & Turmeric & clove
11/04/2018	Cinchona & Rauwolfia
12/04/2018	Atrapa & Opium
13/04/2018	Holiday
14/04/2018	
Week 16(April 16-21)	
Chapter	
16/04/2018	Cannabis & Azadirachta
17/04/2018	Withania
18/04/2018	Holiday
19/04/2018	Tea (Beverages)
20/04/2018	Coffee (")
21/04/2018	Revision
Week 17(April 23-28)	
Chapter	
23/04/2017	Rubber - (Hevea)
24/04/2017	Sugar - (Sugarcane)
25/04/2017	General account & Source of timber
26/04/2017	" " " "
27/04/2017	Energy plantation & Bio fuels
28/04/2018	Revision
Week 18(April 29-30)	
Chapter	
30/04/2018	Revision