

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

Name of Assistant / Associate Professor :..... ANNU.....
 Class and Section :..... B.Sc.II.....
 Subject :..... Botany.....

Diversity of Seed Plant-II
 and Plant Embryology

Week 1(January 1-6)	
Chapter 1 Taxonomy & Systematics	
01/01/2018	Taxonomy Components (Identification)
02/01/2018	Classification, description, nomenclature & Phylogeny
03/01/2018	" " " "
04/01/2018	" " " "
05/01/2018	Role of Chemotaxonomy
06/01/2018	Cytotaxonomy & taximetrics in relation to taxonomy
06/01/2017	Botanical Nomenclature
Week 2(January 8-13)	
Chapter	
08/01/2018	Principle and rules
09/01/2018	Principle of Priority
10/01/2018	" " "
11/01/2018	Keys to identification of Plants
12/01/2018	" " " "
13/01/2018	Revision
Week 3(January 15-20)	
Chapter Concept of Taxonomy	
15/01/2018	Type Concept
16/01/2018	" "
17/01/2018	Taxonomic rules, ranks
18/01/2018	" " "
19/01/2018	Classification System of Angiosperms by Bentham & Hooker
19/01/2018	Classification by Engler & Prantl
20/01/2018	Floral Terms
Week 4(January 22-27)	
Chapter	
22/01/2018	———— Holiday ————
23/01/2018	Types of Inflorescence
24/01/2018	" " "
25/01/2018	Revision
26/01/2018	———— Holiday ————

27/01/2018	Test
Week 5 (January 29- Feb 3)	
Chapter Diversity of Flowering Plants	
29/01/2018	Diagnostic features & Economic Importance of Ranunculaceae family
30/01/2018	Brassicaceae
31/01/2018	Malvaceae
01/02/2018	Euphorbiaceae
02/02/2018	Rutaceae
03/02/2018	Fabaceae
Week 6 (Feb 5-10)	
Chapter	
05/02/2018	Cucurbitaceae
06/02/2018	Apiaceae
07/02/2018	Asclepiadaceae
08/02/2018	Lamiaceae
09/02/2018	Solanaceae
10/02/2018	Holiday
Week 7 (Feb 12-17)	
Chapter	
12/02/2017	Asteraceae
13/02/2017	Holiday
14/02/2017	Liliaceae
15/02/2017	Poaceae
16/02/2017	Revision
17/02/2017	Test
Week 8 (Feb 19-24)	
Chapter Flower	
19/02/2018	Flower — a modified shoot
20/02/2018	Microsporangium
21/02/2018	1)
22/02/2018	its wall & dehiscence mechanism
23/02/2018	Microsporogenesis
24/02/2018	1)
Week 9 (Feb 26-March 03)	
Chapter	
26/02/2018	Pollen grain & its structure (Pollen Wall)
27/02/2018	"
28/02/2018	"
01/03/2018	[Holiday]

02/03/2018	[Holiday]
03/03/2018	
Week 10(March 5-10)	
Chapter	
05/03/2018	Pollen germination (Microgametogenesis)
06/03/2018	" " "
07/03/2018	" " "
08/03/2018	" " "
09/03/2018	Male Gametophyte
10/03/2018	" "
10/03/2018	Pollen - Pistil Interaction
Week 11(March 12-17)	
Chapter	
12/03/2018	Pollen - Pistil Interaction
13/03/2018	Self - Incompatibility
14/03/2018	Pollination : Types & agencies
15/03/2018	" " "
16/03/2018	Revision
17/03/2018	Test
Week 12(March 19-24)	
Chapter Megasporangia	
19/03/2018	Structure of megasporangium (Ovule)
20/03/2018	" " "
21/03/2018	Megasporogenesis & Megagametogenesis
22/03/2018	" " "
23/03/2018	— Holiday —
24/03/2018	" "
Week 13(March 26-31)	
Chapter	
26/03/2018	Female Gametophyte
27/03/2018	" "
28/03/2018	Double Fertilization
29/03/2018	— Holiday —
30/03/2018	Endosperm type and its biological importance
31/03/2018	" " " " "
Week 14(April 02-07)	
Chapter Embryogenesis	
02/04/2018	Embryogenesis in Monocot
03/04/2018	" " "
04/04/2018	Embryogenesis in Dicot

05/04/2018	Embryogenesis in Dicot.
06/04/2018	Polyembryony
07/04/2018	"

Week 15(April 09-14)

Chapter

09/04/2018	Structure of Monocot & Dicot Seed
10/04/2018	" " " "
11/04/2018	" " " "
12/04/2018	" " " "

13/04/2018 ————— Holiday —————
 14/04/2018

Week 16(April 16-21)

Chapter

16/04/2018	Fruit types
17/04/2018	" "
18/04/2018	Holiday

19/04/2018	Dispensal Mechanism in fruits & Seeds
20/04/2018	" " " "
21/04/2018	" " " "

Week 17(April 23-28)

Chapter

23/04/2017	Revision
24/04/2017	"
25/04/2017	"
26/04/2017	Test
27/04/2017	Revision
28/04/2018	"

Week 18(April 29-30)

Chapter

30/04/2018	Test of full Syllabus
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