

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

Name of Assistant / Associate Professor :..... ANNU.....
 Class and Section :..... B.Sc. Ist.....
 Subject :..... BOTANY..... (Diversity of Archegoniates and Genetics)

Week 1 (January 1-6)	
Chapter 1	BRYOPHYTA
01/01/2018	General characters, Classification
02/01/2018	Alternation of generations, evolution of sporophytes, economic importance
03/01/2018	Structure and reproduction of Marchanti
04/01/2018	Anthoceros (Anthocerotopsida)
05/01/2018	Funaria (Bryopsida)
06/01/2017	Revision of Bryophyta
Week 2 (January 8-13)	
Chapter	PTERIDOPHYTA
08/01/2018	General characters, Classification, economic importance
09/01/2018	Alternation of generation, Heterospory, apospory & evolution.
10/01/2018	Structure and reproduction of Rhynia (Psilopsida)
11/01/2018	Selaginella (Lycopside)
12/01/2018	Equisetum (Sphenopsida)
13/01/2018	Pteris (Pteropsida)
Week 3 (January 15-20)	
Chapter	Genetic Material
15/01/2018	Revision of Pteridophyta
16/01/2018	Test of Bryophyta Chapter
17/01/2018	DNA - The genetic material
18/01/2018	DNA Structure and Replication
19/01/2018	DNA Protein interaction
19/01/2018	The nucleosome "
20/01/2018	The Nucleosome Model,
Week 4 (January 22-27)	
Chapter	Holiday
22/01/2018	————— Holiday —————
23/01/2018	Genetic code, satellite
24/01/2018	Repetitive DNA
25/01/2018	Revision of DNA chapter
26/01/2018	————— Holiday —————

27/01/2018	Test of DNA - Genetic material
Week 5 (January 29- Feb 3)	
Chapter	Genetic Inheritance
29/01/2018	Mendelism : law of Segregation
30/01/2018	law of Independent Assortment
31/01/2018	linkage Analysis
01/02/2018	Allelic and non-allelic interaction
02/02/2018	" " " "
03/02/2018	Revision of Genetic Inheritance
Week 6 (Feb 5-10)	
Chapter	Extra Nuclear Inheritance
05/02/2018	Presence and function of Mitochondrial DNA
06/02/2018	Plastid DNA
07/02/2018	Plasmids
08/02/2018	"
09/02/2018	Revision of Extra nuclear Inheritance chapters
10/02/2018	Holiday
Week 7 (Feb 12-17)	
Chapter	Genetic Variations
12/02/2017	Mutations
13/02/2017	Holiday
14/02/2017	Spontaneous & induced mutation
15/02/2017	Transposable genetic element
16/02/2017	"
17/02/2017	DNA Damage & Repair
Week 8 (Feb 19-24)	
Chapter	
19/02/2018	DNA Damage & Repair
20/02/2018	Revision of Genetic Variation Chapter
21/02/2018	Test of Mendel's law
22/02/2018	Test of Mitochondrial DNA
23/02/2018	Test of Plastid DNA
24/02/2018	Test of DNA Damage & Repair
Week 9 (Feb 26-March 03)	
Chapter	Gene Expression
26/02/2018	Modern Concept of Gene
27/02/2018	RNA
28/02/2018	[Holiday]
01/03/2018	

02/03/2018	[Holiday]
03/03/2018	
Week 10(March 5-10)	
Chapter	
05/03/2018	Ribosomes
06/03/2018	Transfer of Genetic information
07/03/2018	Transcription
08/03/2018	"
09/03/2018	Translation
10/03/2018	"
Week 11(March 12-17)	
Chapter	
12/03/2018	Structure of Protein
13/03/2018	Regulation of gene expression in prokaryotes
14/03/2018	" " " " " "
15/03/2018	" " " " " "
16/03/2018	Regulation of gene expression in eukaryotes
17/03/2018	" " " " " "
Week 12(March 19-24)	
Chapter	
19/03/2018	Regulation of gene expression
20/03/2018	Revision
21/03/2018	"
22/03/2018	"
23/03/2018	[Holiday]
24/03/2018	Test of Concept of gene & RNA
Week 13(March 26-31)	
Chapter	
26/03/2018	Revision of Bryophytes
27/03/2018	Test of general characters & classification of Bryophytes
28/03/2018	" (Bryophytes)
29/03/2018	[Holiday]
30/03/2018	Test of evolution evolution, alternation of generation
31/03/2018	"
Week 14(April 02-07)	
Chapter	
02/04/2018	Revision of Bryophyta (Marchantia, Anthoceros, Funaria)
03/04/2018	"
04/04/2018	Test of Marchantia

05/04/2018	Test of Anthoceros
06/04/2018	Test of Funaria
07/04/2018	Revision of Pteridophyta
Week 15(April 09-14)	
Chapter	
09/04/2018	Test of Pteridophyta
10/04/2018	Revision of Genetic material
11/04/2018)
12/04/2018	Test of Genetic material
13/04/2018	[Holiday]
14/04/2018	
Week 16(April 16-21)	
Chapter	
16/04/2018	Revision of Genetic Inheritance
17/04/2018	Test
18/04/2018	— Holiday —
19/04/2018	Revision of Extra nuclear Inheritance
20/04/2018	Test
21/04/2018	Revision of Genetic Variation
Week 17(April 23-28)	
Chapter	
23/04/2017	Revision of Genetic Variation
24/04/2017	Test of Genetic Variation Chapter
25/04/2017	Revision of Gene Expression
26/04/2017)
27/04/2017)
28/04/2018	Test of gene expression
Week 18(April 29-30)	
Chapter	
30/04/2018	Test of full syllabus