

**LESSON PLAN (2018 - 2019)**

**PAPER TITLE: BASICS OF PLANT AND ANIMAL SCIENCES**

**PAPER CODE: BIO-III.E-1**

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**MARKS: 75 MARKS (THEORY) + 25 MARKS (PRACTICAL)**

**CREDITS: 3 (THEORY) + 1 (PRACTICAL)**

Lecture	Chapter	Sub-topic	Reference
1	Chapter 1: Introduction	Introduction to plant and animal kingdom Introduction to Classification Systems	<b>Botany By V Verma</b>
2	Chapter 2: Plant Kingdom	Study of the General Characteristics of Algae (unicellular and multicellular)	<b>Botany By V Verma</b>
3		Study of the General Characteristics of Fungi	
4		Study of the General Characteristics of Lichens	
5		Study of the General Characteristics of Bryophytes	
6		Study of the General Characteristics of Pteridophytes	
7		Study of the General Characteristics of Gymnosperms	
8	Chapter 3: Morphology and Anatomy in Angiosperms	Vegetative Morphology: Roots	<b>Botany By V Verma</b>
9		Vegetative Morphology: Stem	
10		Vegetative Morphology: Leaf Reproductive Morphology: Flower	
11		Reproductive Morphology : Inflorescence and Fruit	
12		Comparative Anatomy of roots, stem and leaves in monocots	
13		Comparative Anatomy of roots, stem and leaves in dicots	
14		Secondary growth in	

		Angiosperms	
15	Tutorials/Revision		
16	Continuous Assessment I (Subjective + Objective)		
17	Feedback on Continuous Assessment I		
18	Chapter 4: Economic Importance	Economic importance of the each phylum of the Plant Kingdom	Botany By V Verma
19	Chapter 5: Animal Kingdom – Non chordates AND Chapter 7: Salient features of Non - chordates	Study of Habitat and General characteristics of: Protozoa Disease-causing Protozoa	Invertebrate Zoology by Jordon and Verma
20 & 21		Study of Habitat and General characteristics of: Porifera Circulation in Porifera	
22		Study of Habitat and General characteristics of: Cnidaria Corals and coral reefs (Cnidaria)	
23		Study of Habitat and General characteristics of: Platyhelminthes Disease causing Platyhelminthes	
24 & 25		Study of Habitat and General characteristics of: Aschelminthes Disease causing nematodes (Aschelminthes) Excretion in Aschelminthes	
26		Study of Habitat and General characteristics of: Annelida Excretion in Annelida	
27 & 28		Study of Habitat and General characteristics of: Arthropoda Metamorphosis in insects and economic importance (Arthropoda)	
29	Tutorials/Revision		
30	Continuous Assessment II (Multiple Choice Questions Set 1)		
31	Feedback on Continuous Assessment II set I		
32		Study of Habitat and General characteristics of: Mollusca	Invertebrate Zoology by Jordon and Verma
33		Study of Habitat and General characteristics of: Echinodermata Circulation of Echinodermata	
34 & 35	Chapter 6: Animal Kingdom – Chordates AND Chapter 8: Salient Features of Chordates	Study of Habitat and General characteristics of: Superclass Pisces Economic Importance of fishes	Chordate Zoology by Jordon and Verma

36 & 37		Study of Habitat and General characteristics of: Class Amphibia Parental Care in Amphibians	<b>Chordate Zoology by Jordon and Verma</b>
38		Study of Habitat and General characteristics of: Class Reptilia Venomous and Non venomous Reptiles	
39 & 40		Study of Habitat and General characteristics of: Class Aves Migration in Birds	
41		Study of Habitat and General characteristics of: Class Mammalia Dentition in Mammals	
42	<b>Tutorials/Revision</b>		
43	<b>Continuous Assessment II (MCQs-Set 2)</b>		
44	<b>Feedback of continuous assessment II</b>		
45	<b>Revision, Paper pattern discussion, Instructions for the semester end exam</b>		