## Arts, Science and Commerce College, Indapur, Dist. Pune TEACHING AND EVALUATION PLAN

Name of the teacher: Suryawanshi A.V.
Semester: I
Subject:Botany
Paper: PLANT LIFE AND UTILIZATION I
Class: F. Y. B. Sc.

Part I: Teaching Plan						Part II : Evaluation of Plan				
1	2	3	4	5	6 3	7 "	8	9	10	
Sr. No.	Month	Week	No. of working days	No. of periods available	Topics to be taught	No. of periods engaged	Topics taught	Deviation in periods	Remarks	
		(t) 198			General outline of plant kingdom  ALGAE - Introduction, General Characters, Classification (Bold and Wynne 1978		General outline of plant kingdom  ALGAE - Introduction, General Characters, Classification (Bold and Wynne 1978			
	::-:::::::::::::::::::::::::::::::::::	1,,,1			Life Cycle of Spirogyra - Habit, Habitati Structure Hobili thallus, structure of of all typical cell,		Life Cycle of <i>Spirogyra</i> - Habit, Habitat, Structure of thallus, structure of typical cell,	Control of the Contro	100 ma	
1	Aug 2019	3 &	9	8	Reproduction- Vegetative, Asexual, Sexual Life Cycle & Systematic position, Utilization of Algae	8	Reproduction- Vegetative, Asexual, Sexual Life Cycle & Systematic position, Utilization of Algae	Nil		
	Sep	·:	out of the second of the secon	810	LICHENS- Introduction & Types- Crustose, Foliose and Fruticose. Utilization of lichens. FUNGL+ Introduction, General & Characters, Classification (Amsworth, 1973)	1000	LICHENS- Introduction & Types- Crustose, Foliose and Fruticose. Utilization of lichens. FUNGI – Introduction, General Characters, Classification (Ainsworth, 1973) Life Cycle of Mushroom- Agaricus bisporus -	NII		

2 2019	1& 11	7	Reproduction sexual, Life Cycle & Systematic position. Utilization of Fungi in Industry, Agriculture, Food and Pharmaceuticals		Reproduction sexual, Life Cycle & Systematic position. Utilization of Fungi in Industry, Agriculture, Food and Pharmaceuticals	01	Extra Lecture is conducted on Sunday
			BRYOPHYTES Introduction, General Characters & Classification (G.M. Smith 1955) Life Cycle of Riccio - Habit, habitat structure of thallus Reproduction, Fertilization, structure of mature sporophyte, structure of spore, systematic		BRYOPHYTES- Introduction, General Characters & Classification (G.M. Smith 1955) Life Cycle of Riccia - Habit, habitat, structure of thallus Reproduction, Fertilization, structure of mature sporophyte, structure of		Sunday
Nov E 2019	384 11	6	position, Utilization: Bryophytes as ecological indicators, agriculture, firel, industry and medicine	8	spore, systematic position, Utilization: Bryophytes as ecological indicators, agriculture, fuel, industry and medicine	Nil	

Signature of Head of Department

Signature of Faculty In-charge

Signature of the

Collet, a Indapur, Dist Pure

## Arts, Science and Commerce College, Indapur, Dist. Pune TEACHING AND EVALUATION PLAN

Class: FYB.S Paper:II Subject: Plant Morphology and Anatomy Part II: Evaluation of Plan Part I: Teaching Plan 10 5 3 Topics to be taught No. of periods . Topics taught Deviation in Remarks Month Week No. of No. of Sr. periods periodsworking engaged No. days available 3& Aug Morphology Introduction Nil Morphology Introduction 2019 8 Morphology of Reproductive Parts: Morphology of Reproductive Parts: Inflorescence Inflorescence Flower Flower Sep 10 Fruits Nil Fruits 2019 1&2 | 12 Anatomy Introduction, Types of Oct Anatomy Introduction, Types of Tissues 2019 1&2 Internal Organization of Primary Plant Internal Organization of Primary Nov 3& Nil Body Plant Body 2019

Signature of Teacher

Name of the teacher: Jagtap A.J.

Semester: I

Signature of Head of Department

Department of Botany

3. Science & Commerce

Signature of Faculty In-charge

Arto, Science & Commerce Cales a ladaour. Dist. Punk

Year: 2019-20

Incharge
Science Faculty
Arts, Science & Commerce
College, Indeput, Dist, Pune

Year: 2019-20 Name of the teacher: Suryawanshi A.V. Semester: II Class: FYB.Sc Paper:I Subject: Plant life and Utilization - II

	Part I: Teaching Plan							Part II: Evaluation of Plan					
1		2	3	4	5	6	7	8	9	10			
Si		Month.	Week	No. of working days	Noof periods available	Topics to be taught	No. of periods engaged	Topics taught	Deviation in periods	Remark			
1		Dec 2019	1,2,3	9	8	Introduction ,Pteridophytes	8	Morphology Introduction	Nil	**			
					i	. ,		Morphology of Reproductive Parts : Inflorescence					
2		2020	1&	12	0	Utilization and Economic Importance of Pteridophytes	10	Flower Fruits	Nil	Quite			
1 2		an 2020 Mar	2,3,4 1,2,3	12	0	of Fterlaophytes		Truis					
(3		2020 ns. A		nd I	78	Gymnosperms; Angiosperms: Types o	8issues i	Anatomy Introduction, Types of Tissues	1				
4	A	Apr 2020	1 &2	11	8	Utilization And Economic Importance of Angiosperms.	8	Internal Organization of Primary Plant Body	Nil				

Signature of Teacher ......

Signature of Head of Department

Head Department of Botany Arts, Science & Commerce College, Indapur Dist-Pune

Signature of Faculty In-charge

Incharge Science Faculty Arts, Science & Commerce College, Indapur, Dist. Pune

Signuture of the Principal
Principal
Arts, School & Commerce
College Indeput, Dist Puno

Name of the teacher: Jagtap A.J Semester: II

Year: 2019-20

Subject: Botany

Paper: Principles Of Plant Sciences

Class: F. Y. B. Sc.

Part 1: Teaching Plan						Part II: Evaluation of Plan					
1	2	3	4	5	6	7 =	8	9	Remarks		
Sr. No.	Month	Week	No. of working days	No. of periods available	Topics to be taught	No. of periods engaged	Topics taught	Deviation in periods	Remarks		
Massa la	eal well	i.	g line state of the state of th		Introduction, definition and scope of plant physiology.  Diffusion – def, importance of diffusion in plants, imbibition, Osmosis – def, types of solutions, endosmosis, exoosmosis, osmotic pressure, turgor pressure, wall pressure, importance of osmosis in plants. Plasmolysis – definition, mechanism and significance. Plant growth – introduction, exphases of growth, factors affecting growth, Structure of plant cell, differences between prokaryotic and eukaryotic cell. Plant cell wall – components of primary cell wall, structure and		Introduction, definition and scope of plant physiology. Diffusion – def, importance of diffusion in plants, imbibition, Osmosis – def, types of solutions, endosmosis, exo-osmosis, osmotic pressure, turgor pressure, wall pressure, importance of osmosis in plants. Plasmolysis – definition, mechanism and significance. Plant growth - introduction, phases of growth, factors affecting growth, Structure of plant cell, differences between prokaryotic and eukaryotic cell. Plant cell wall – components of primary cell wall, structure and functions.	Nil			
eleti	2019	& 4	12	10	functionsis.	10 ; 2312	Tulletions.				

Jan -2 - 2020	1,2,3 &4 12	7	Ultrastructure and functions of chloroplast Cell cycle in plants- importance of cell cycle in plants, divisional stages of mitosis and meiosis. Introduction and scope of molecular biology, central dogma of molecular biology. Structure of DNA, nucleoside and nucleotide		Ultrastructure and functions of chloroplast Cell cycle in plants- importance of cell cycle in plants, divisional stages of mitosis and meiosis. Introduction and scope of molecular biology, central dogma of molecular biology. Structure of DNA, nucleoside and nucleotide	Nil	
Feb	1,2,3		Introduction and scope of molecular biology, central dogma of molecular biology. Structure of DNA, nucleoside and nucleotide Watson Crick model of DNA and its characteristic features, types of DNA: (A, B and Z iypes of DNA: (A	9 841	Introduction and scope of molecular biology, central dogma of molecular biology. Structure of DNA, nucleoside and nucleotide Watson Crick model of DNA and its characteristic features, types of DNA (A, B and Z DNA).	Nil	
3 = 3 2020	& 4 = 11 maximizs.	9	Types of chromosomes. Sincing Structure and types of RNA. DNA replication- Types of replication, enzymes involved, leading and lagging strands, Okazaki fragments.		Types of chromosomes. Structure and types of RNA.  DNA replication- Types of replication, enzymes involved, leading and lagging strands, Okazaki fragments.		

Signature of Head of Department

Department of Botany Arts, Science & Commerce College,Indapur Dist-Pune Signatus Signature of Faculty In-charge

Incharge Science Faculty
Arts, Science & Commerce
College, Indapur, Dist. Pune