

TEACHING AND EVALUATION PLAN

Name of the teacher: Suryawanshi A.V.	Year: 2019-2020
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	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
1	Aug 2019	3 & 4	9	8	General outline of plant kingdom ALGAE - Introduction, General Characters, Classification (Bold and Wynne 1978) Life Cycle of <i>Spirogyra</i> - Habit, Habitat, Structure of thallus, structure of typical cell, Reproduction- Vegetative, Asexual, Sexual Life Cycle & Systematic position, Utilization of Algae	8	General outline of plant kingdom ALGAE - Introduction, General Characters, Classification (Bold and Wynne 1978) Life Cycle of <i>Spirogyra</i> - Habit, Habitat, Structure of thallus, structure of typical cell, Reproduction- Vegetative, Asexual, Sexual Life Cycle & Systematic position, Utilization of Algae	Nil	--
	Sep 2019	1 & 2	12	8	LICHENS - Introduction & Types- Crustose, Foliose and Fruticose. Utilization of lichens. FUNGI - Introduction, General Characters, Classification (Ainsworth, 1973) Life Cycle of Mushroom- <i>Agaricus bisporus</i>	10	LICHENS - Introduction & Types- Crustose, Foliose and Fruticose. Utilization of lichens. FUNGI - Introduction, General Characters, Classification (Ainsworth, 1973) Life Cycle of Mushroom- <i>Agaricus bisporus</i>	Nil	

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Signature of Head of Department

Head
Department of Botany
Science & Commerce
University of Toronto

Signature of the
Principal
Principal
Arts, Science & Commerce
College, Indapur, Dist Pune

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

Name of the teacher: Jagtap A.J.	Year: 2019-20
Semester: I	
Subject: Plant Morphology and Anatomy	Paper: II
	Class: F Y B.S

Part I : Teaching Plan						Part II : Evaluation of Plan			
1	2	3	4	5	6	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
1	Aug 2019	3 & 4	9	8	Morphology Introduction	8	Morphology Introduction	Nil	--
2	Sep 2019	1 & 2	12	8	Morphology of Reproductive Parts : Inflorescence Flower Fruits	10	Morphology of Reproductive Parts : Inflorescence Flower Fruits	Nil	--
3	Oct 2019	1 & 2	11	7	Anatomy Introduction , Types of Tissues	8	Anatomy Introduction , Types of Tissues	1	
4	Nov 2019	3 & 4	11	8	Internal Organization of Primary Plant Body	8	Internal Organization of Primary Plant Body	Nil	--

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Signature of Faculty In-charge

Signature of the Principal

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Name of the teacher: Suryawanshi A.V.
Semester: II

Year: 2019-20

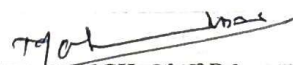
Subject: Plant life and Utilization - II


Paper: I

Class: F Y B.Sc

Part I : Teaching Plan						Part II : Evaluation of Plan			
1	2	3	4	5	6	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
1	Dec 2019	1,2,3 & 4	9	8	Introduction ,Pteridophytes	8	Morphology Introduction	Nil	--
2	Jan 2020	1& 2,3,4	12	8	Utilization and Economic Importance of Pteridophytes	10	Morphology of Reproductive Parts : Inflorescence Flower Fruits	Nil	--
3	Mar 2020	1,2,3 & 4	11	7	Gymnosperms, Angiosperms, Types of	8	Anatomy Introduction, Types of Tissues	1	
4	Apr 2020	1 & 2	11	8	Utilization And Economic Importance of Angiosperms.	8	Internal Organization of Primary Plant Body	Nil	--


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Name of the teacher: Jagtap A.J				Year: 2019-20	
Semester: II					
Subject: Botany		Paper: Principles Of Plant Sciences			Class: F. Y. B. Sc.

Part I : Teaching Plan						Part II : Evaluation of Plan			
1	2	3	4	5	6	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
					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.		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.		
10	Dec 2019	1,2,3 & 4	12	10		10		Nil	--

2	Jan 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	7	Nil	Nil
3	Feb 2020	1,2,3 & 4	11	9	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).	9	Nil	Nil
4	Mar 2020	1 & 2	11	8	Types of chromosomes. Structure and types of RNA. DNA replication- Types of replication, enzymes involved, leading and lagging strands, Okazaki fragments.	8	Nil	Nil

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