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

Name of the teacher: Dr. Kabnoorkar P. S. Semester: I	Class: F. Y. B. Sc.	Paper: PLANT LIFE AND UTILIZATION I	Subject: Botany Paper:
Year: 2022-2023			Semester: I
	Year: 2022-2023		Name of the teacher: Dr. Kabnoorkar P. S.

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Fodde Agriculture,	PharmBiofueltais, Foodndustry,	industry dilization of Algaes in	Systematic position,	Syste Sexual Life Cycles &	Asexual,	typical cell, Reproduction-	of thallus, structure of	Habit, Habitat, Structure	Life Cycle of Spirogyra -	Wynne 1978)	Charle Classification (Bold and	ALGA GeneraliCharacters) धारा	ALGAE - Introduction,	kingdom	General outline of plant				Topics to be taught	9	ans a season reader and the season season season seasons.
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Fodder	Pharmaceuticals, Food and	Industry, Agriculture,	Utilization of Algae in Biofuel	Systematic position,	Asexual, Sexual Life Cycle &	Reproduction- Vegetative,	structure of typical cell,	Habitat, Structure of thallus,	Life Cycle of Spirogyra - Habit,	(Bold and Wynne 1978)	Characters, Classification	ALGAE - Introduction, General		kingdom	General outline of plant				Topics taught	8	Part II : Evaluation of Plan
01	and	ure,	uel	on,	8	/e,	<u> </u>	S,	t,	Nil				Nil			periods	in	Deviation	9	

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Characters & Classification (G-M.) - Classification (G	Reproduction sexual, Life Cycle & Systematic position. Utilization of Fungi in Industry, Agriculture, Food and Pharmaceuticals		LICHENS- Introduction & General Characters, Nature of Association, forms- Crustose, Foliose and Fruticose. Utilization of lichens. FUNGI – Introduction, General Characters, Classification (Ainsworth, 1973)	Pharmaceuticals, Food and Fodder
1	6	6	6	
Introduction, General Characters & Classification (G.M. Smith 1955) Life Cycle of <i>Riccia</i> - Habit, habitat, external and internal structure of thallus Reproduction.	Reproduction sexual, Life Cycle & Systematic position. Utilization of Fungi in Industry, Agriculture, Food and Pharmaceuticals BRYOPHYTES-	Life Cycle of Mushroom- Agaricus bisporus - Habit, Habitat, Structure of thallus, Structure of Sporocarp, Structure of Gill, Reproduction- Asexual	LICHENS- Introduction & General Characters, Nature of Association, forms- Crustose, Foliose and Fruticose. Utilization of lichens. FUNGI – Introduction, General Characters, Classification (Ainsworth, 1973)	
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systematic position, structure of spore, mature sporophyte, and medicine

> Fertilization, ecological medicine

Utilization: Bryophytes as agriculture, fuel, industry ecological indicators, Reproduction, Fertilization, structure of

structure of thallus

of spore, systematic position, mature sporophyte, structure Utilization: Bryophytes as agriculture, fuel, industry and structure of indicators,

Signature of Head of Department

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

Signature of Faculty In-charge

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

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

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fragments.	lagging strands, Okazakı	enzymes involved, leading and	conservative and dispersive),	replication (conservative, semi-	DNA replication- Types of	Structure and types of RNA.	DNA). Types of chromosomes	types of DNA (A;B and Z	and its characteristic features,	Watson Crick model of DNA	and nucleotide	Structure of DNA, nucleoside	molecular biology	Introduction and scope of		plants, divisional stages of	importance of cell cycle in	Cell cycle in plants-	chloroplast	Ultrastructure and functions of	functions.		Plant cell wall - components of	prokaryotic and eukaryotic cell.	differences between	Structure of plant cell
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icines.	lagging strands, Okazaki	enzymes involved, leading and	conservative and dispersive),	replication (conservative, semi-	DNA replication- Types of	Structure and types of RNA.	DNA). Types of chromosomes	types of DNA (A, B and Z	and its characteristic features,	Watson Crick model of DNA	and nucleotide	Structure of DNA, nucleoside	molecular biology	Introduction and scope of	mitosis and meiosis.	plants, divisional stages of	importance of cell cycle in	Cell cycle in plants-	plast	Ultrastructure and functions of	ons.	primary cell wall, structure and	Plant cell wall – components of	votic and subarvotic cell	differences between	
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Signature of Teacher

Signature of Head: of Department

Signature of Faculty In-charge

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

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

Signature of the Frincipal Principal Principal Principal Arts, Scheece & Commerce Costes, Sudapur, Dick Pure

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		2022-2023	

Paper: PLANT LIFE AND UTILIZATION II

Class: F. Y. B.SC

Sc.

Subject: Botany

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2Jan 2022. 198:25511255	Allatomy of stem		2 Month
& 2 5 1.112	3 & 9	3	⊹ 3 Week
5.6			Part I 4 No. of working days
5	6		Part I: Teaching Plan 4 .5 lo. of No. of orking periods hays available
Life Cycle of Nephrolepis Utilization and economic importance of Pteridophytes	Anatomy of stem Anatomy of leaf Reproduction – vegetative Reproduction asexual Reproduction sexual Fertilization Alternation of generation &	Introduction to plant diversity- Pteridophytes Gymnosperms Angiosperms with reference to vascular plants Introduction & General characters Outline classification according to Sporne (1976) up to classes with reasons. Life cycle of Nephrolepis - Habit, habitat, distribution,	Plan 6 Topics to be taught
6.31	6		7 No. of periods engaged
Life Cycle of Nephrolepis Utilization and economic importance of Pteridophytes	Anatomy of stem Anatomy of leaf Anatomy of leaf Reproduction – vegetative Reproduction asexual Reproduction sexual Fertilization Alternation of generation &	Introduction to plant diversity- Pteridophytes Gymnosperms Angiosperms with reference to vascular plants Introduction & General characters Outline classification according to Sporne (1976) up to classes with reasons. Life cycle of Nephrolepis - Habit, habitat, distribution,	Part II : Evaluation of Plan 8 Topics taught i
es Nil	Nil		an 9 Deviation in periods
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	dicotyledons.	Compa	system	Bentha	Dicotyledons	Bentha	Outline of	Introd	nujoi.	Utiliz	& stru	micro	cone	Anato	Anat	Habi	Life.	acco	Intro Cha Outl
	monocotyledons and ficotyledons.	Comparative account of	system up to series class-	Outline of classification of Bentham and Hooker's	system up to series class- Dicotyledons	Bentham and Hooker's	Characters Outline of classification of	Introduction & General	inportance of gynnlosperms.	Utilization and economic	Megasporophyll, megaspore & structure of seed	microspores	cone Microsporphyll	Anatomy of leaf	Anatomy of Stem	Habitat, Distribution,	Life cycle of Cycas - Habit	according to Sporne (1977)	Introduction & General Characters Outline classification
671									6				. 1						
	monocotyledons and dicotyledons.	Comparative account of	system up to series class-	Outline of classification of Bentham and Hooker's	system up to series class- Dicotyledons	Bentham and Hooker's	characters	ANGIOSPERMS Introduction & General	importance of gymnosperms.	Utilization and economic	Megasporophyll, megaspore & structure of seed	microspores	Reproductive organs- Male	Anatomy of Stem, Anatomy of leaf	Morphology	Habitat, Distribution,	up to classes with reasons.	Outline classification according to Sporne (1977)	Introduction & General Characters
Z:									Nii										

Signature of Teacher

Angiosperms as medicines - Jack

Angiosperms as fibers, horticulture as food, fodder Utilization and economic Introduction & Angiosperms importance of Angiosperms

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March 2023

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Utilization and economic importance of Angiosperms Introduction & Angiosperms as food, fodder Angiosperms as medicines Angiosperms as fibers, horticulture

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Signature of Faculty In-charge

Signature of Head of Department

Arts, Science & Commerce College, Indapur Dist-Pune

Department of Botany Tead

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

Signature of the Principal Arta solomoe & Commerce Collectionadapundict Puno

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

Year: 2022-23

Subject: Plant Morphology and Anatomy Semester: I Name of the teacher: Mahadik B.B.

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				Tissues, Internal Organization of						_
				Anatomy Introduction, Types of					-	-
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		Tissues, , Internal Organization of		Morphology of:Reproductive Parts: ::		ing Dark	-3.&:::	Marphology of		-
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9 6)	Flower		Flower					_	
l Ex				Morphology of Reproductive Parts	•					
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		Morphology of Reproductive Parts:		Morphology of Reproductive Parts:					- 1	
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Signature of Teacher Signature of Head of Department

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

Signature of Faculty: In-charge

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

> Signature of the Principa and Science & Commer College Balanting of Sage Principal