

## Lesson Plan

Name of the Assistant/ Associate Professor: Miss. Sonu & Miss. Nisha

Class and Section: B.Sc. II<sup>nd</sup> year (Section I & II)

Subject: Biology And Diversity of Seed plant And plant Embryology. (Botany)

Week	Date	Topics
1	1-Jan-18	Taxonomy And Systematics: Explanation of Some Terms
	2-Jan-18	Fundamental Components of taxonomy (Identification,
	3-Jan-18	Classification, Nomenclature and phylogeny.
	4-Jan-18	Flower - a modified shoot.
	5-Jan-18	Microsporangium, Its wall
	6-Jan-18	Microsporangium Dehiscence mechanism.
	7-Jan-18	Sunday
2	8-Jan-18	Introduction of Modern Trends in plant Taxonomy
	9-Jan-18	Role of chemotaxonomy in Relation to taxonomy.
	10-Jan-18	Role of cytotoxicity in Relation to taxonomy.
	11-Jan-18	Microsporogenesis
	12-Jan-18	pollen grains and Its structure (pollen wall)
	13-Jan-18	Test of Structure and Dehiscence mechanism of Microsporangium
	14-Jan-18	Sunday
3	15-Jan-18	Role of taxometrics in Relation to taxonomy.
	16-Jan-18	Botanical Nomenclature's General Introduction.
	17-Jan-18	Binomial Nomenclature.
	18-Jan-18	pollen germination (microgametogenesis)
	19-Jan-18	male gametophyte
	20-Jan-18	pollen-pistil Interaction.
	21-Jan-18	Sunday
4	22-Jan-18	Vasant Panchami
	23-Jan-18	Test of Unit - I.
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	Self Incompatibility
	26-Jan-18	Republic Day
	27-Jan-18	Introduction of pollination (Self and cross pollination)
	28-Jan-18	Sunday
	29-Jan-18	Principles
30-Jan-18	Rules	
31-Jan-18	Principles of Priority	

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Class and Section: B.Sc. II<sup>nd</sup> year (Section I and B)

Subject: Biology & Diversity of Seed plant And plant Embryology (Botany)

Week	Date	Topics
1	1-Feb-18	Test of pollen germination, male gametophyte -
	2-Feb-18	Introduction of pollination (Self and cross pollination)
	3-Feb-18	Cross pollination Types: Entomophily, Anemophily
	4-Feb-18	Sunday
2	5-Feb-18	Keys to identification of plants
	6-Feb-18	To solve the Queries of the students from unit-I
	7-Feb-18	Test of Unit-I.
	8-Feb-18	Cross pollination Types: Hydrophily,
	9-Feb-18	ornithophily, Chiropterophily.
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
3	12-Feb-18	Type concept
	13-Feb-18	Maha Shivratri
	14-Feb-18	Taxonomic ranks
	15-Feb-18	Advantage and Disadvantage of pollination
	16-Feb-18	Test of Unit-I.
	17-Feb-18	Structure of Megasporangium (ovule)
	18-Feb-18	Sunday
	4	19-Feb-18
20-Feb-18		Silent features of the System of classification
21-Feb-18		of angiosperms by Bentham & Hooker.
22-Feb-18		Types of ovule and Its curvature.
23-Feb-18		Megasporogenesis.
24-Feb-18		Test of Types of ovule and Its structure.
25-Feb-18		Sunday
5		26-Feb-18
	27-Feb-18	Silent features of the System of classification
	28-Feb-18	of angiosperms by Engler and Prantl.

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Class and Section:... B.Sc. II<sup>nd</sup> year

Subject:... Biology And Diversity of Seed plant And plant embryology.

Week	Date	Topics
1	1-Mar-18	Guru Ravidas Birthday
	2-Mar-18	Holi
	3-Mar-18	Megagametogenesis: Introduction.
	4-Mar-18	Sunday
2	5-Mar-18	Test of Engler and Prantl classification of Angiosperm
	6-Mar-18	Merit And Demerits of classification of Angiosperm
	7-Mar-18	Floral Terms
	8-Mar-18	Female gametophyte (Monosporic, Bisporic)
	9-Mar-18	Female gametophyte tetrasporic
	10-Mar-18	Introduction of Fertilization
	11-Mar-18	Sunday
3	12-Mar-18	Remaining floral Terms.
	13-Mar-18	Types of Inflorescence.
	14-Mar-18	Introduction of Diversity of flowering plants.
	15-Mar-18	Test of female gametophyte (Mono-Bi-, tetrasporic)
	16-Mar-18	Introduction of Fertilization.
	17-Mar-18	Double fertilization.
	18-Mar-18	Sunday
4	19-Mar-18	Diagnostic features and economic Importance of Ranunculaceae
	20-Mar-18	Diagnostic features and economic Importance of Brassicaceae
	21-Mar-18	Diagnostic features and economic Importance of Malvaceae
	22-Mar-18	Test of Double fertilization.
	23-Mar-18	Shaheedi Diwas of Bhagat Singh, Rajguru & Sukhdev
	24-Mar-18	Endosperm Types: And Its Biological Importance.
	25-Mar-18	Sunday/ Ram Navami
	26-Mar-18	Test of Ranunculaceae, Brassicaceae, Malvaceae.
5	27-Mar-18	Diagnostic features and economic Importance of Euphorbiaceae
	28-Mar-18	Diagnostic features and economic Importance of Rutaceae
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	Embryogenesis in Dicot
	31-Mar-18	Embryogenesis in Monocot.

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Week	Date	Topics
1	1-Apr-18	Sunday
	2-Apr-18	Diagnostic features And Economic Importance of Fabaceae.
	3-Apr-18	Diagnostic features And Economic Importance of Cucurbitaceae
	4-Apr-18	Diagnostic features And Economic Importance of Apiaceae
	5-Apr-18	polyembryony
	6-Apr-18	Fruit Types
	7-Apr-18	Test of polyembryony and Fruit types.
	8-Apr-18	Sunday
2	9-Apr-18	Test of Fabaceae, Cucurbitaceae, Apiaceae-Family.
	10-Apr-18	Diagnostic features And Economic Importance of Asclepiadaceae
	11-Apr-18	Diagnostic features And Economic Importance of Lamiaceae
	12-Apr-18	Structure of Dicot Seed.
	13-Apr-18	Structure of Monocot Seed.
	14-Apr-18	Dr Ambedkar Jayanti / Vaisakhi
	15-Apr-18	Sunday
3	16-Apr-18	Test of Asclepiadaceae, Lamiaceae.
	17-Apr-18	Diagnostic features And Economic Importance of Solanaceae
	18-Apr-18	Parashurama Jayanti
	19-Apr-18	Dispersal mechanism in fruits and seeds.
	20-Apr-18	To solve the queries from all syllabus.
	21-Apr-18	Test of Structure and Dispersal of Fruits and Seeds
	22-Apr-18	Sunday
	4	23-Apr-18
24-Apr-18		Diagnostic features and Economic Importance of Liliaceae
25-Apr-18		Diagnostic features and Economic Importance of Poaceae
26-Apr-18		Revision
27-Apr-18		Test of whole syllabus of Biology And Diversity of Seed plant.
28-Apr-18		Test of whole syllabus of plant Embryology.