

Lesson Plan

Name of the Assistant/ Associate Professor: D. Kushal Bala & Ms. Pooja Goyal

Class and Section: B.Sc. IIIrd 6th Semester (Section I & II)

Subject: Botany (Biochem. & Plant Biotech. Paper I (Days: Thu-Sat.)
(Economic Botany Paper II (Days: Mon-Wed))

Week	Date	Topics
1	1-Jan-18	Vavilov's Centre of origin of crop plants
	2-Jan-18	Origin, distribution, description, cultivation and use of Rice
	3-Jan-18	Origin, distribution, description, cultivation and use of wheat
	4-Jan-18	Basics of Enzymology: Introduction.
	5-Jan-18	Discovery and Nomenclature of Enzymes
	6-Jan-18	Characteristics of Enzymes
	7-Jan-18	Sunday
2	8-Jan-18	Origin, distribution, description, cultivation and use of maize
	9-Jan-18	Origin, distribution, description, cultivation and use of gram
	10-Jan-18	Origin, distribution, description, cultivation and use of Arhar
	11-Jan-18	Concept of Holoenzyme
	12-Jan-18	Apoenzyme
	13-Jan-18	Coenzyme and Cofactor
	14-Jan-18	Sunday
3	15-Jan-18	Origin, distribution, description, cultivation and use of Pea.
	16-Jan-18	Origin, distribution, description, cultivation and use of Potato
	17-Jan-18	Origin, distribution, description, cultivation and use of tomato
	18-Jan-18	Regulation of Enzyme Activity
	19-Jan-18	Mechanism of Action of Enzyme
	20-Jan-18	Revision of Unit I of Paper I & Assignment given
	21-Jan-18	Sunday
4	22-Jan-18	Vasant Panchami
	23-Jan-18	Test of Vavilov's Centre of origin of crop plant topic
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	Test of Unit I of Paper I
	26-Jan-18	Republic Day
	27-Jan-18	Respiration: ATP
	28-Jan-18	Sunday
5	29-Jan-18	Origin, distribution, description, cultivation and use of onion
	30-Jan-18	Revision of Unit I of Paper II & Assignment given
	31-Jan-18	Test of Unit I of Paper II

Lesson Plan

Name of the Assistant/ Associate Professor... Dr. Kushal Bala & Mrs. Pooja Goyal

Class and Section: B.Sc. IIIrd 6th Semester

Subject: Botany (Paper I: Biochem & Biotech. Days: Thu - Sat.)
(Paper II: Economic Botany, Days: Mon - Wed)

Week	Date	Topics
1	1-Feb-18	Aerobic Respiration
	2-Feb-18	Anaerobic Respiration
	3-Feb-18	Kreb cycle
	4-Feb-18	Sunday
2	5-Feb-18	Origin, distribution, description, cultivation and use of cotton
	6-Feb-18	Origin, distribution, description, cultivation and use of jute
	7-Feb-18	Origin, distribution, description, cultivation and use of flax
	8-Feb-18	Kreb Cycle : Continue
	9-Feb-18	Electron Transport Mechanism
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
3	12-Feb-18	Origin, distribution, description, cultivation and use of groundnut
	13-Feb-18	Maha Shivratri
	14-Feb-18	Origin, distribution, description, cultivation and use of mustard
	15-Feb-18	Redox Potential
	16-Feb-18	Oxidative Phosphorylation
	17-Feb-18	Pentose Phosphate Pathway
	18-Feb-18	Sunday
	4	19-Feb-18
20-Feb-18		Origin, distribution, description, cultivation and use of coconut
21-Feb-18		Revision of Unit II of Paper II & Assignment given
22-Feb-18		Pentose Phosphate Pathway : Continue.
23-Feb-18		Test of Unit II of Paper I
24-Feb-18		Lipid Metabolism : Str. and function.
25-Feb-18		Sunday
5		26-Feb-18
	27-Feb-18	Description, cultivation and use of coriander.
	28-Feb-18	Description, cultivation and use of fenugreek

Lesson Plan

Name of the Assistant/ Associate Professor... Dr. K. Uskal Bala & Mrs. POOJA GOYAL

Class and Section: B.Sc. B₁ VIth Semester

Subject: Botany (Paper I: Biochem & Biotech. Days: Thu. - Sat.)
(Paper II: Economic Botany Days: Mon - Wed)

Week	Date	Topics
1	1-Mar-18	Guru Ravidas Birthday
	2-Mar-18	Holi
	3-Mar-18	Fatty Acid Biosynthesis
	4-Mar-18	Sunday
2	5-Mar-18	Description, cultivation and economic use of ginger.
	6-Mar-18	Description, cultivation and economic use of turmeric
	7-Mar-18	Description, cultivation and economic use of cloves.
	8-Mar-18	β -oxidation
	9-Mar-18	Saturated fatty acids
	10-Mar-18	Unsaturated fatty acids
	11-Mar-18	Sunday
3	12-Mar-18	Description, cultivation and economic use of Cinchona
	13-Mar-18	Description, cultivation and economic use of Rauwolfia
	14-Mar-18	Description, cultivation and economic use of Atropa
	15-Mar-18	Storage of fatty acids
	16-Mar-18	Mobilisation of fatty acids
	17-Mar-18	Nitrogen Metabolism: Biology of N_2 fixation
	18-Mar-18	Sunday
	4	19-Mar-18
20-Mar-18		Description, cultivation and economic use of Cannabis
21-Mar-18		Description, cultivation and economic use of Azadirachta
22-Mar-18		Importance of Nitrate Reductase and its Regulation
23-Mar-18		Shaheedi Diwas of Bhagat Singh, Rajguru & Sukhdev
24-Mar-18		Ammonium Assimilation
25-Mar-18		Sunday/ Ram Navami
5		26-Mar-18
	27-Mar-18	Revision of Unit III of Paper II & Assignment given
	28-Mar-18	Test of Unit III of Paper II
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	Revision of Unit III of Paper I & Assignment given
	31-Mar-18	Test of Unit III of Paper I

Lesson Plan

Name of the Assistant/ Associate Professor... Dr. KUSHAL BALS & Mrs. POOJA GOYAL

Class and Section: B.Sc. IIIrd 6th Semester

Subject: Botany (Paper I: Biochem. & Biotech. Days: Thu-Sat.)
(Paper II: Economic Botany Days: Mon-Wed).

Week	Date	Topics
1	1-Apr-18	Sunday
	2-Apr-18	Botanical description, processing and use of tea.
	3-Apr-18	Botanical description, processing and use of coffee.
	4-Apr-18	Botanical description, processing and use of Hevea
	5-Apr-18	Genetic Engineering and Biotechnology
	6-Apr-18	Tools and Technique of rDNA technology
	7-Apr-18	Cloning vectors and cDNA library
	8-Apr-18	Sunday
2	9-Apr-18	Botanical description, processing and use of sugarcane
	10-Apr-18	General Account and sources of timber
	11-Apr-18	Energy plantation
	12-Apr-18	Transposable Elements.
	13-Apr-18	Aspects of Plant Tissue Culture.
	14-Apr-18	Dr Ambedkar Jayanti / Vaisakhi
	15-Apr-18	Sunday
3	16-Apr-18	Bio-fuels
	17-Apr-18	Revision of Unit III of Paper II & Assignment given
	18-Apr-18	Parashurama Jayanti
	19-Apr-18	Cellular Totipotency
	20-Apr-18	Differentiation and Morphogenesis
	21-Apr-18	Agrobacterium vectors for gene delivery
	22-Apr-18	Sunday
4	23-Apr-18	Test of Unit III of Paper II
	24-Apr-18	Revision of whole syllabus of Paper II & Assignment given
	25-Apr-18	Test of whole syllabus of Paper II
	26-Apr-18	Agrobacterium vectors for marker genes.
	27-Apr-18	Revision of whole syllabus of Paper II & Assignment given
	28-Apr-18	Test of whole syllabus of Paper II