

Lesson Plan

Name of the Assistant/ Associate Professor: Dr (Mrs). Vijay Sharma
 Class and Section: B.Sc. II (Ist semester) B.Sc I (Practical)
 Subject: Industrial chemistry- (Paper code 401-Theory)

Week	Date	Topics
1	1-Jan-18	B.Sc I (Practical)
	2-Jan-18	B.Sc I (Practical)
	3-Jan-18	B.Sc II Practical
	4-Jan-18	Introduction of sugar industry and raw materials.
	5-Jan-18	Th. Manufacturing of sugar from cane sugar. B.Sc II (Prac) B.Sc II (Prac)
	6-Jan-18	Flow chart for the manufacturing of sugar. B.Sc II (Prac)
	7-Jan-18	Sunday
2	8-Jan-18	B.Sc I (P)
	9-Jan-18	B.Sc I (P)
	10-Jan-18	B.Sc II (P)
	11-Jan-18	Refining of sugar by double carbonation process. B.Sc II (Prac)
	12-Jan-18	Th. Refining of sugar by sulphitation process and purification. B.Sc II (Prac)
	13-Jan-18	Manufacturing of sugar from beet root. B.Sc II (Prac) (P)
	14-Jan-18	Sunday
3	15-Jan-18	B.Sc I (P)
	16-Jan-18	B.Sc I (P)
	17-Jan-18	B.Sc II (P)
	18-Jan-18	Introduction of pulp industry and various raw materials. B.Sc II (Prac) -1/16
	19-Jan-18	Th. Different methods used for pulping.
	20-Jan-18	Manufacturing of pulp by sulphite method.
	21-Jan-18	Sunday
4	22-Jan-18	Vasant Panchami
	23-Jan-18	B.Sc I (P)
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	Th. Flow chart of kraft pulp and its refining.
	26-Jan-18	Republic Day
	27-Jan-18	Th. Manufacturing of wood pulp by sulphate method.
	28-Jan-18	Sunday
5	29-Jan-18	B.Sc I (P)
	30-Jan-18	B.Sc I (P)
	31-Jan-18	B.Sc II (P)

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Lesson Plan

Name of the Assistant/ Associate Professor: Dr. (Mrs) Vijay Sharma

Class and Section: B.Sc. II (C IV Sem)

Subject: Industrial Chemistry

Week	Date	Topics
1	1-Feb-18	Manufacturing of pulp by soda process. ^{B.Sc. II (P)} Bleaching of wood pulp and its refining. Sizing and colouring of pulp.
	2-Feb-18	
	3-Feb-18	
	4-Feb-18	Sunday
2	5-Feb-18	B.Sc. II (P)
	6-Feb-18	B.Sc. II (P)
	7-Feb-18	B.Sc. II (P)
	8-Feb-18	Manufacturing of thin paper by Fourdrinier machine ^{B.Sc. II (P)}
	9-Feb-18	Th Manufacturing of paper by cylinder machine. ^{B.Sc. II (P)} <small>Maharshi Dayanand Saraswati Mayanti</small>
	10-Feb-18	Sunday
3	11-Feb-18	
	12-Feb-18	A.Sc. II (P)
	13-Feb-18	Maha Shivratri
	14-Feb-18	B.Sc. II (P)
	15-Feb-18	Class test and Assignment. B.Sc. II (P)
	16-Feb-18	Introduction and types of nitration reactions.
	17-Feb-18	Th Types of various nitrating agents.
	18-Feb-18	Sunday
4	19-Feb-18	A.Sc. II (P)
	20-Feb-18	B.Sc. II (P)
	21-Feb-18	B.Sc. II (P)
	22-Feb-18	Kinetics and mechanism of nitration. A.Sc. II (P)
	23-Feb-18	Th Manufacturing of nitrobenzene and its product.
	24-Feb-18	Manufacturing of p-nitroacetanilide and its product.
	25-Feb-18	Sunday
5	26-Feb-18	B.Sc. II (P)
	27-Feb-18	B.Sc. II (P)
	28-Feb-18	University Vacation

Lesson Plan

Name of the Assistant/ Associate Professor: Dr. (Mrs) Vijay Sharma

Class and Section: B.Sc II (IV sem)

Subject: I. Industrial chemistry.

Week	Date	Topics
1	1-Mar-18	Guru Ravidas Birthday
	2-Mar-18	Holi
	3-Mar-18	University Vacation.
	4-Mar-18	Sunday
2	5-Mar-18	B.Sc I (P)
	6-Mar-18	B.Sc I (P)
	7-Mar-18	B.Sc II (P)
	8-Mar-18	Introduction and types of oxidation reactions. ^{B.Sc II (P)}
	9-Mar-18	Various types of oxidising agents.
	10-Mar-18	Mechanism of oxidation reactions.
	11-Mar-18	Sunday
3	12-Mar-18	B.Sc I (P)
	13-Mar-18	B.Sc I (P)
	14-Mar-18	B.Sc II (P)
	15-Mar-18	Commercial manufacturing of Benzoic acid and its flow chart. ^{B.Sc II (P)}
	16-Mar-18	Manufacturing of phthalic anhydride and flow chart.
	17-Mar-18	Manufacturing of acetic acid and its flow chart.
	18-Mar-18	Sunday
4	19-Mar-18	B.Sc I (P)
	20-Mar-18	B.Sc I (P)
	21-Mar-18	B.Sc II (P)
	22-Mar-18	Introduction and types of catalysts used for Hydrogenation. ^{B.Sc II (P)} Shaheed Diwas of Bhagat Singh, Rajguru & Sukhdev
	23-Mar-18	
	24-Mar-18	Mechanism of Hydrogenation and Hydrogenation of vegetable oil Sunday/ Ram Navami
5	25-Mar-18	
	26-Mar-18	B.Sc I (P)
	27-Mar-18	B.Sc I (P)
	28-Mar-18	B.Sc II (P)
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	Class test and II Assignment.
31-Mar-18	Introduction and types of alkylation reaction.	

Lesson Plan

Name of the Assistant/ Associate Professor: D. (Mrs) Vijay Sharma

Class and Section: B.Sc. II (IV Sem)

Subject: Industrial Chemistry

Week	Date	Topics	
1		Sunday	
	1-Apr-18		
	2-Apr-18	B-SC I (P)	
	3-Apr-18	A-SC I (P)	
	4-Apr-18	B-SC II (P)	
	5-Apr-18	Various types of alkylating agents and its mechanism B-SC II (P)	
	6-Apr-18		Manufacturing of ethyl benzene and flow chart.
	7-Apr-18		Manufacturing of alkyl benzene and flow chart.
	8-Apr-18	Sunday	
2	9-Apr-18	B-SC I (P)	
	10-Apr-18	B-SC I (P)	
	11-Apr-18	B-SC II (P)	
	12-Apr-18	Introduction, kinetics and Mechanism of esterification B-SC II (P)	
	13-Apr-18		Esterification by organic acid and by unsaturated compounds Dr. Ambedkar Jayanti / Vaisakhi
	14-Apr-18		
		15-Apr-18	Sunday
	3	16-Apr-18	B-SC I (P)
17-Apr-18		B-SC II (P)	
		18-Apr-18	Parashurama Jayanti
19-Apr-18		Commercial manufacturing of ethyl acetate. B-SC II (P)	
20-Apr-18			class test.
21-Apr-18		Introduction of Hydrolytic and Hydrolyzing agents Sunday	
			22-Apr-18
4		23-Apr-18	B-SC I (P)
	24-Apr-18	A-SC I (P)	
	25-Apr-18	B-SC II (P)	
	26-Apr-18	Kinetics and Mechanism of hydrolysis - B-SC II (P)	
	27-Apr-18		Industrial importance of Hydrolysis process.
	28-Apr-18	Revision onwards.	

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