

### Lesson Plan

Name of the Assistant/ Associate Professor: Dr. Prilam Singh  
 Class and Section: B.Sc. II<sup>nd</sup> Semester  
 Subject: Industrial Chemistry

Week	Date	Topics
1	1-Jan-18	
	2-Jan-18	
	3-Jan-18	
	4-Jan-18	Section 1. Corrosion Definition
	5-Jan-18	Types of Corrosion
	6-Jan-18	Dry Corrosion explanation
	7-Jan-18	Sunday
2	8-Jan-18	
	9-Jan-18	
	10-Jan-18	
	11-Jan-18	Wet corrosion explanation
	12-Jan-18	Oxidation corrosion
	13-Jan-18	Nature of Corrosion layer formed
	14-Jan-18	Sunday
3	15-Jan-18	
	16-Jan-18	
	17-Jan-18	
	18-Jan-18	Various types of corrosion layers formed
	19-Jan-18	Corrosion by hydrogen
	20-Jan-18	Concentration cell corrosion
	21-Jan-18	Sunday
4	22-Jan-18	Vasant Panchami
	23-Jan-18	
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	Stress corrosion
	26-Jan-18	Republic Day
	27-Jan-18	Micro-biological corrosion
	28-Jan-18	Sunday
	29-Jan-18	
5	30-Jan-18	Test
	31-Jan-18	

**Lesson Plan**

Name of the Assistant/ Associate Professor: Dr. Pratam Singh  
 Class and Section: BSc 1<sup>st</sup> Semester  
 Subject: Industrial Chemistry

Week	Date	Topics
1	1-Feb-18	Factor influencing corrosion such as position of metal in galvanic series
	2-Feb-18	Relative cathodic and anodic area
	3-Feb-18	Purity of metal
	4-Feb-18	Sunday
2	5-Feb-18	
	6-Feb-18	
	7-Feb-18	Corrosion control by proper designing
	8-Feb-18	Corrosion control by various methods: Cathodic protection etc
	9-Feb-18	Uses of cathodic and anodic inhibitors
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
3	12-Feb-18	
	13-Feb-18	Maha Shivratri
	14-Feb-18	
	15-Feb-18	Section II: Coal: Introduction and classification
	16-Feb-18	Analysis of coal: Proximate analysis (determination)
	17-Feb-18	Importance of proximate analysis
	18-Feb-18	Sunday
	19-Feb-18	
4	20-Feb-18	
	21-Feb-18	
	22-Feb-18	Ultimate analysis of coal i.e. determination of Carbon & Hydrogen
	23-Feb-18	→ Determination of Sulphure, and nitrogen
	24-Feb-18	Importance of Ultimate analysis
	25-Feb-18	Sunday
	26-Feb-18	
	27-Feb-18	
5	28-Feb-18	

### Lesson Plan

Name of the Assistant/ Associate Professor: DR. PRITOM SINGH

Class and Section: BSc. 1<sup>st</sup> Semester

Subject: Industrial Chemistry

Week	Date	Topics
1	1-Mar-18	Guru Ravidas Birthday
	2-Mar-18	Holi
	3-Mar-18	Test of First two Sections
	4-Mar-18	Sunday
2	5-Mar-18	
	6-Mar-18	
	7-Mar-18	
	8-Mar-18	Section III, Petroleum Introduction
	9-Mar-18	Fractional distillation of crude oil
	10-Mar-18	Brief introduction of each fraction
	11-Mar-18	Sunday
3	12-Mar-18	
	13-Mar-18	
	14-Mar-18	
	15-Mar-18	Cracking i.e. Thermal cracking
	16-Mar-18	Catalytic cracking
	17-Mar-18	Significance of octane and cetane number
	18-Mar-18	Sunday
	4	19-Mar-18
20-Mar-18		
21-Mar-18		
22-Mar-18		Introduction to reforming
23-Mar-18		Shaheed Diwas of Bhagat Singh, Rajguru & Sukhdev
24-Mar-18		Thermal reforming
25-Mar-18		Sunday/ Ram Navami
5	26-Mar-18	
	27-Mar-18	
	28-Mar-18	
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	Catalytic reforming
	31-Mar-18	Test of IIIrd Section

### Lesson Plan

Name of the Assistant/ Associate Professor: Dr. P. K. TARI, SINGH

Class and Section: Bsc. Ind. Semester

Subject: Industrial Chemistry

Week	Date	Topics
1	1-Apr-18	Sunday
	2-Apr-18	<del>Section</del>
	3-Apr-18	
	4-Apr-18	
	5-Apr-18	Section III. Nomenclature Introduction.
	6-Apr-18	Description of generic and trade names.
	7-Apr-18	How to name binary compounds with rules
	8-Apr-18	Sunday
2	9-Apr-18	
	10-Apr-18	
	11-Apr-18	
	12-Apr-18	Fuels definition and classification
	13-Apr-18	Calorific Value i.e. Higher and lower calorific values. Dr Ambedkar Jayanti / Vaisakhi
	14-Apr-18	
	15-Apr-18	Sunday
3	16-Apr-18	
	17-Apr-18	
	18-Apr-18	Parashurama Jayanti
	19-Apr-18	Theoretical Calculations of Calorific value.
	20-Apr-18	Do! Various methods to calculate Calorific value.
	21-Apr-18	Dulong Formula for calculation of Calorific value.
	22-Apr-18	Sunday
4	23-Apr-18	
	24-Apr-18	
	25-Apr-18	
	26-Apr-18	Characteristics of good fuel.
	27-Apr-18	Test.
	28-Apr-18	Closing of the syllabus.