

**LESSON PLAN FOR EVEN SEM**  
**SESSION 2017-18**

**NAME OF ASSISTANT /ASSOCIATE PROFESSOR : Dr. Pritam Singh**

**CLASS/SECTION : B.Sc. I Year, Sem II**

**SUBJECT: Industrial Chemistry**

Week	Date	Topics
1	1-Jan-18	
	2-Jan-18	
	3-Jan-18	
	4-Jan-18	Section I corrosion Definition
	5-Jan-18	Types of corrosion
	6-Jan-18	Dry Corrosion explanation
	7-Jan-18	<b>Sunday</b>
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	<b>Sunday</b>
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	<b>Sunday</b>
4	22-Jan-18	<b>Vasant Panchami</b>
	23-Jan-18	
	24-Jan-18	<b>Sir Chotu Ram Jayanti</b>
	25-Jan-18	Stress corrosion
	26-Jan-18	<b>Republic Day</b>

	27-Jan-18	Microbiological corrosion
	28-Jan-18	<b>Sunday</b>
5	29-Jan-18	
	30-Jan-18	
	31-Jan-18	
	1-Feb-18	Factors 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	<b>Sunday</b>
6	5-Feb-18	
	6-Feb-18	
	7-Feb-18	Corrosion control by various methods
	8-Feb-18	Cathodic protection ETC.
	9-Feb-18	Uses of Cathodic & anodic inhibitors
	10-Feb-18	<b>Maharshi Dayanand Saraswati Jayanti</b>
	11-Feb-18	<b>Sunday</b>
7	12-Feb-18	
	13-Feb-18	<b>Maha Shivratri</b>
	14-Feb-18	
	15-Feb-18	Section II coal, Introduction & classification
	16-Feb-18	Analysis of coal, Proximate analysis (Determination)
	17-Feb-18	Importance of proximate analysis
	18-Feb-18	<b>Sunday</b>
8	19-Feb-18	
	20-Feb-18	
	21-Feb-18	
	22-Feb-18	Ultimate analysis of coal i.e. Determination of Carbon E' Hydro.
	23-Feb-18	Determination of sulphure & nitrogen
	24-Feb-18	Importance of ultimate analysis
	25-Feb-18	<b>Sunday</b>
9	26-Feb-18	
	27-Feb-18	
	28-Feb-18	

	1-Mar-18	<b>Guru Ravidas Birthday</b>
	2-Mar-18	<b>Holi</b>
	3-Mar-18	Test of First Two Sections
	4-Mar-18	<b>Sunday</b>
10	5-Mar-18	
	6-Mar-18	
	7-Mar-18	
	8-Mar-18	Section II, Petroleum, Introduction
	9-Mar-18	Fractional distillation of crude oil
	10-Mar-18	Brief introduction of each fraction
	11-Mar-18	<b>Sunday</b>
11	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 & cetane number
	18-Mar-18	<b>Sunday</b>
12	19-Mar-18	
	20-Mar-18	
	21-Mar-18	
	22-Mar-18	Introduction to reforming
	23-Mar-18	<b>Shadeedi Diwas of Bhagat Singh, Rajguru &amp; Sukhdev</b>
	24-Mar-18	Thermal Reforming
	25-Mar-18	<b>Sunday/Ram Navami</b>
13	26-Mar-18	
	27-Mar-18	
	28-Mar-18	
	29-Mar-18	<b>Mahavir Jayanti</b>
	30-Mar-18	Catalytic reforming
	31-Mar-18	Test of III Section
	1-Apr-18	<b>Sunday</b>

14	2-Apr-18	
	3-Apr-18	
	4-Apr-18	
	5-Apr-18	Section III, Nomenclature, Introduction
	6-Apr-18	Description of generic & trade names
	7-Apr-18	How to name Binary compounds with rules
	8-Apr-18	<b>Sunday</b>
15	9-Apr-18	
	10-Apr-18	
	11-Apr-18	
	12-Apr-18	Fuels Definition & Classification
	13-Apr-18	Calorific Value .i.e. Higher and Lower calorific values
	14-Apr-18	<b>Dr. Ambedkar Jayanti/Vaisakhi</b>
	15-Apr-18	<b>Sunday</b>
16	16-Apr-18	
	17-Apr-18	
	18-Apr-18	<b>Parshurama Jayanti</b>
	19-Apr-18	Theoretical calculation of calorific values
	20-Apr-18	Various methods to calculate calorific values
	21-Apr-18	Dulong Formula For Calculation of calorific values
	22-Apr-18	<b>Sunday</b>
17	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