

### Lesson Plan

Name of the Assistant/ Associate Professor: Dr. Pritam Singh  
 Class and Section: B.Sc. IV<sup>th</sup> Semester  
 Subject: Industrial Chemistry

Week	Date	Topics
1	1-Jan-18	Water Pollution Introduction
	2-Jan-18	Sources of water pollution
	3-Jan-18	Bad effects of various pollutants
	4-Jan-18	
	5-Jan-18	
	6-Jan-18	
	7-Jan-18	Sunday
2	8-Jan-18	Specification of water qualities
	9-Jan-18	Industrial uses of water
	10-Jan-18	Water analysis an introduction
	11-Jan-18	
	12-Jan-18	
	13-Jan-18	
	14-Jan-18	Sunday
3	15-Jan-18	Determination of alkalinity of water sample
	16-Jan-18	Determination of acidity
	17-Jan-18	Determination of total hardness
	18-Jan-18	
	19-Jan-18	
	20-Jan-18	
	21-Jan-18	Sunday
4	22-Jan-18	Vasant Panchami
	23-Jan-18	Determination of permanent and temporary hardness
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	
	26-Jan-18	Republic Day
	27-Jan-18	
	28-Jan-18	Sunday
5	29-Jan-18	Determination of dissolved oxygen
	30-Jan-18	Determination of Chloride content of water sample
	31-Jan-18	Importance of Dissolved oxygen in water

**Lesson Plan**

Name of the Assistant/ Associate Professor: Dr. Pratim Sengupta

Class and Section: BSc IVth Semester

Subject: Industrial Chemistry

Week	Date	Topics
1	1-Feb-18	
	2-Feb-18	
	3-Feb-18	
	4-Feb-18	Sunday
2	5-Feb-18	Section II Treatment of waste water an introduction
	6-Feb-18	Preliminary treatment of water
	7-Feb-18	Removal of gross solid and grit from water
	8-Feb-18	
	9-Feb-18	
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
	12-Feb-18	Removal of oil and grease from water sample
3	13-Feb-18	Maha Shivratri
	14-Feb-18	An introduction to primary treatment of water.
	15-Feb-18	
	16-Feb-18	
	17-Feb-18	
	18-Feb-18	Sunday
	19-Feb-18	The process of sedimentation
	20-Feb-18	Introduction to secondary treatment of water
4	21-Feb-18	Trickling filter for <del>waste</del> waste water treatment
	22-Feb-18	
	23-Feb-18	Test
	24-Feb-18	
	25-Feb-18	Sunday
	26-Feb-18	Tertiary treatment of water
5	27-Feb-18	The process of precipitation & nitrogen stripping
	28-Feb-18	Chlorination of water

### Lesson Plan

Name of the Assistant/ Associate Professor: Dr. Britam Singh  
 Class and Section: B.Sc. IX-1A Semester  
 Subject: Industrial Chemistry

Week	Date	Topics
1	1-Mar-18	Guru Ravidas Birthday
	2-Mar-18	Holi
	3-Mar-18	
	4-Mar-18	Sunday
2	5-Mar-18	Section III Solid Waste Management an introduction
	6-Mar-18	Classification of various solid wastes
	7-Mar-18	Handling and transport of solid waste
	8-Mar-18	
	9-Mar-18	
	10-Mar-18	
	11-Mar-18	Sunday
3	12-Mar-18	Pulverisation and compaction of solid waste
	13-Mar-18	Microbiology of solid waste
	14-Mar-18	Various processes of solid disposal an introduction
	15-Mar-18	
	16-Mar-18	
	17-Mar-18	
	18-Mar-18	Sunday
	4	19-Mar-18
20-Mar-18		Detail study of Composting process
21-Mar-18		Sanitary landfilling process in detail
22-Mar-18		
23-Mar-18		Shaheedi Diwas of Bhagat Singh, Rajguru & Sukhdev
24-Mar-18		
25-Mar-18		Sunday/ Ram Navami
5		26-Mar-18
	27-Mar-18	Pyrolysis process in detail
	28-Mar-18	Test of Section III
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	
	31-Mar-18	

**Lesson Plan**

Name of the Assistant/ Associate Professor: Dr. Nitam Singh

Class and Section: B.Sc. IV<sup>th</sup> Semester

Subject: Industrial Chemistry

Week	Date	Topics
1		Sunday
	1-Apr-18	
	2-Apr-18	Section IV Process instrumentation an introduction
	3-Apr-18	An introduction to Temperature
	4-Apr-18	Various instruments to determine temperature
	5-Apr-18	
	6-Apr-18	
	7-Apr-18	
	8-Apr-18	Sunday
2	9-Apr-18	Glass thermometer.
	10-Apr-18	Resistance thermometer
	11-Apr-18	Radiation pyrometer
	12-Apr-18	
	13-Apr-18	
	14-Apr-18	Dr Ambedkar Jayanti / Vaitakhi
	15-Apr-18	Sunday
	16-Apr-18	
3	16-Apr-18	An introduction to pressure.
	17-Apr-18	Pressure measurement using Manometers
	18-Apr-18	Parashurama Jayanti
	19-Apr-18	
	20-Apr-18	Test
	21-Apr-18	
	22-Apr-18	Sunday
	23-Apr-18	
4	23-Apr-18	Pressure measurement using Barometers.
	24-Apr-18	Test of Section IV.
	25-Apr-18	Closing of the session at the chapter of Pressure.
	26-Apr-18	
	27-Apr-18	
	28-Apr-18	