

LESSON PLAN FOR EVEN SEM

SESSION 2017-18

NAME OF ASSISTANT /ASSOCIATE PROFESSOR : Dr. Pritam Singh

CLASS/SECTION : B.Sc. II Year, Sem. IV

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 pollutions |
| | 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 & temporary hardness |
| | 24-Jan-18 | Sir Chotu Ram Jayanti |
| | 25-Jan-18 | |
| | 26-Jan-18 | Republic Day |

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| | 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 |
| | 1-Feb-18 | |
| | 2-Feb-18 | |
| | 3-Feb-18 | |
| | 4-Feb-18 | Sunday |
| 6 | 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 & grit from water |
| | 8-Feb-18 | |
| | 9-Feb-18 | |
| | 10-Feb-18 | Maharshi Dayanand Saraswati Jayanti |
| | 11-Feb-18 | Sunday |
| 7 | 12-Feb-18 | Removal of oil & grease from water sample |
| | 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 |
| 8 | 19-Feb-18 | The Process of Sedimentation |
| | 20-Feb-18 | Introduction to secondary treatment of water |
| | 21-Feb-18 | Trickling filters for waste water treatment |
| | 22-Feb-18 | |
| | 23-Feb-18 | |
| | 24-Feb-18 | |
| | 25-Feb-18 | Sunday |
| 9 | 26-Feb-18 | Tertiary treatment of water |
| | 27-Feb-18 | The Process of precipitation E' nitrogen stripping |
| | 28-Feb-18 | Chlorination of water |

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| | 1-Mar-18 | Guru Ravidas Birthday |
| | 2-Mar-18 | Holi |
| | 3-Mar-18 | |
| | 4-Mar-18 | Sunday |
| 10 | 5-Mar-18 | Section III Solid waste management : An Introduction |
| | 6-Mar-18 | Classification of various solid wastes |
| | 7-Mar-18 | Handling & transport of solid waste |
| | 8-Mar-18 | |
| | 9-Mar-18 | |
| | 10-Mar-18 | |
| | 11-Mar-18 | Sunday |
| 11 | 12-Mar-18 | Pulverization & 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 |
| 12 | 19-Mar-18 | Test of Section I & II |
| | 20-Mar-18 | Detail study of composting process |
| | 21-Mar-18 | Sanitary land filling process in detail |
| | 22-Mar-18 | |
| | 23-Mar-18 | Shadeedi Diwas of Bhagat Singh, Rajguru & Sukhdev |
| | 24-Mar-18 | |
| | 25-Mar-18 | Sunday/Ram Navami |
| 13 | 26-Mar-18 | The process of Incineration for solid disposal |
| | 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 | |
| | 1-Apr-18 | Sunday |

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| 14 | 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 |
| 15 | 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/Vaisakhi |
| | 15-Apr-18 | Sunday |
| 16 | 16-Apr-18 | An Introduction to pressure |
| | 17-Apr-18 | Pressure measurement using Manometers |
| | 18-Apr-18 | Parshurama Jayanti |
| | 19-Apr-18 | |
| | 20-Apr-18 | |
| | 21-Apr-18 | |
| | 22-Apr-18 | Sunday |
| 17 | 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 | |