

**Lesson Plan**

Name of the Assistant/ Associate Professor: Dr. Rameshwar Das  
 Class and Section: B.Sc. II A  
 Subject: Inorganic Chemistry

| Week | Date      | Topics                                 |
|------|-----------|--|
| 1    | 1-Jan-18  | Lanthanides                            |
|      | 2-Jan-18  | Electronic structure, oxidation states |
|      | 3-Jan-18  |  |
|      | 4-Jan-18  |  |
|      | 5-Jan-18  |  |
|      | 6-Jan-18  |  |
|      | 7-Jan-18  | Sunday                                 |
| 2    | 8-Jan-18  | Magnetic properties                    |
|      | 9-Jan-18  | Complex formation                      |
|      | 10-Jan-18 |  |
|      | 11-Jan-18 |  |
|      | 12-Jan-18 |  |
|      | 13-Jan-18 |  |
|      | 14-Jan-18 | Sunday                                 |
| 3    | 15-Jan-18 | Colour, ionic radii                    |
|      | 16-Jan-18 | Lanthanide contraction                 |
|      | 17-Jan-18 |  |
|      | 18-Jan-18 |  |
|      | 19-Jan-18 |  |
|      | 20-Jan-18 |  |
|      | 21-Jan-18 | Sunday                                 |
| 4    | 22-Jan-18 | Vasant Panchami                        |
|      | 23-Jan-18 | Occurrence, separation                 |
|      | 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 | Compounds of lanthanides               |
|      | 30-Jan-18 | Actinides                              |
|      | 31-Jan-18 |  |

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| Week | Date      | Topics                               |
|------|-----------|--------------------------------------|
| 1    | 1-Feb-18  |                                      |
|      | 2-Feb-18  |                                      |
|      | 3-Feb-18  |                                      |
|      | 4-Feb-18  | Sunday                               |
| 2    | 5-Feb-18  | General characteristics of actinides |
|      | 6-Feb-18  | Separation                           |
|      | 7-Feb-18  |                                      |
|      | 8-Feb-18  |                                      |
|      | 9-Feb-18  |                                      |
|      | 10-Feb-18 | Maharshi Dayanand Saraswati Jayanti  |
|      | 11-Feb-18 | Sunday                               |
|      | 12-Feb-18 |                                      |
| 3    | 12-Feb-18 | Transuranics                         |
|      | 13-Feb-18 | Maha Shivratri                       |
|      | 14-Feb-18 |                                      |
|      | 15-Feb-18 |                                      |
|      | 16-Feb-18 |                                      |
|      | 17-Feb-18 |                                      |
|      | 18-Feb-18 | Sunday                               |
| 4    | 19-Feb-18 | Properties of transuranics           |
|      | 20-Feb-18 | Comparison of lanthanides            |
|      | 21-Feb-18 |                                      |
|      | 22-Feb-18 |                                      |
|      | 23-Feb-18 | Test                                 |
|      | 24-Feb-18 |                                      |
|      | 25-Feb-18 | Sunday                               |
| 5    | 26-Feb-18 | Comparison of actinides              |
|      | 27-Feb-18 | Class Test                           |
|      | 28-Feb-18 |                                      |

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| Week | Date      | Topics  |
|------|-----------|---|
| 1    | 1-Mar-18  | Guru Ravidas Birthday                             |
|      | 2-Mar-18  | Holi  |
|      | 3-Mar-18  | Winter Break                                      |
|      | 4-Mar-18  | Sunday  |
| 2    | 5-Mar-18  | Groups of acidic radicals                         |
|      | 6-Mar-18  | Chemistry of identification of acid radicals-I    |
|      | 7-Mar-18  |   |
|      | 8-Mar-18  |   |
|      | 9-Mar-18  |   |
|      | 10-Mar-18 |   |
|      | 11-Mar-18 | Sunday  |
| 3    | 12-Mar-18 | Identification of acid radicals - II              |
|      | 13-Mar-18 | Identification of acid radicals - III             |
|      | 14-Mar-18 |   |
|      | 15-Mar-18 |   |
|      | 16-Mar-18 |   |
|      | 17-Mar-18 |   |
|      | 18-Mar-18 | Sunday  |
| 4    | 19-Mar-18 | Typical combinations - I                          |
|      | 20-Mar-18 | Typical combinations - II                         |
|      | 21-Mar-18 |   |
|      | 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 | Interference of acidic radicals                   |
|      | 27-Mar-18 | Removal of interfering radicals                   |
|      | 28-Mar-18 |   |
|      | 29-Mar-18 | Mahavir Jayanti                                   |
|      | 30-Mar-18 |   |
|      | 31-Mar-18 |   |

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| Week      | Date      | Topics                         |
|-----------|-----------|--------------------------------|
| 1         |           | Sunday                         |
|           | 1-Apr-18  |                                |
|           | 2-Apr-18  | Analysis of basic radicals-I   |
|           | 3-Apr-18  | Analysis of basic radicals-II  |
|           | 4-Apr-18  |                                |
|           | 5-Apr-18  |                                |
|           | 6-Apr-18  |                                |
|           | 7-Apr-18  |                                |
|           | 8-Apr-18  | Sunday                         |
| 2         | 9-Apr-18  | Analysis of basic radicals-III |
|           | 10-Apr-18 | Common ion effect              |
|           | 11-Apr-18 |                                |
|           | 12-Apr-18 |                                |
|           | 13-Apr-18 |                                |
|           | 14-Apr-18 | Dr Ambedkar Jayanti / Vaisakhi |
|           | 15-Apr-18 | Sunday                         |
|           | 3         | 16-Apr-18                      |
| 17-Apr-18 |           | Types of precipitation         |
| 18-Apr-18 |           | Parashurama Jayanti            |
| 19-Apr-18 |           |                                |
| 20-Apr-18 |           | Test                           |
| 21-Apr-18 |           |                                |
| 22-Apr-18 |           | Sunday                         |
| 4         |           | 23-Apr-18                      |
|           | 24-Apr-18 | Class Test                     |
|           | 25-Apr-18 |                                |
|           | 26-Apr-18 |                                |
|           | 27-Apr-18 |                                |
|           | 28-Apr-18 |                                |