

Teacher's Name – Arkadyuti Jana

| Year        | Hons./<br>Pass | Paper   | Sub. Content                        | Duration of<br>teaching | No. of<br>Classes | Methods  | Reference books   |
|-------------|----------------|---------|-------------------------------------|-------------------------|-------------------|--|---|
| 1st<br>year | Pass           | Paper 1 | Extra nuclear<br>structure of atoms | Aug 11 to Sept 16       | 16                | Lecture cum<br>demonstration,Proble<br>m solving method. | 1.General And Inorganic Chemistry -<br>(P.K dutta)<br>2.Inorganic chemistry -<br>(Malik,Tuli,Madan) |
| 1st<br>year | Pass           | Paper 1 | Radioactivity                       | Sept 22 to Nov 18       | 14                | Lecture cum<br>demonstration,Proble<br>m solving method. | 1.General And Inorganic Chemistry -<br>(P.K dutta)<br>2.Inorganic chemistry -<br>(Malik,Tuli,Madan) |
| 1st<br>year | Pass           | Paper 1 | Chemical<br>Periodicity             | Nov 19 to Dec 24        | 16                | Lecture cum<br>demonstration,Proble<br>m solving method. | 1.General And Inorganic Chemistry -<br>(P.K dutta)<br>2.Inorganic chemistry -<br>(Malik,Tuli,Madan) |
| 1st<br>year | Pass           | Paper 1 | Chemical bonding                    | Jan 05 to Mar 24        | 30                | Lecture cum<br>demonstration,Proble<br>m solving method. | 1.General And Inorganic Chemistry<br>(P.K dutta)<br>2.Inorganic chemistry<br>(Malik,Tuli,Madan)     |

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| 2nd<br>year | Pass           | Paper<br>II | Inorganic<br>Chemistry | Comparative<br>study of p-block<br>elements | Aug 11 to<br>Nov 18     | 30                | Lecture cum<br>demonstration, Problem<br>solving method. | 1. General And Inorganic Chemistry -<br>(P.K dutta)<br>2. Inorganic chemistry -<br>(Malik, Tuli, Madan) |
| 2nd<br>year | Pass           | Paper<br>II | Inorganic<br>Chemistry | Acid-Base<br>concept                        | Nov 19 to Dec<br>24     | 16                | Lecture cum<br>demonstration, Problem<br>solving method. | 1. General And Inorganic Chemistry -<br>(P.K dutta)<br>2. Inorganic chemistry -<br>(Malik, Tuli, Madan) |
| 2nd<br>year | Pass           | Paper<br>II | Inorganic<br>Chemistry | Redox Chemistry                             | Jan 05 to Feb<br>11     | 14                | Lecture cum<br>demonstration, Problem<br>solving method. | 1. General And Inorganic Chemistry -<br>(P.K dutta)<br>2. Inorganic chemistry -<br>(Malik, Tuli, Madan) |
| 2nd<br>year | Pass           | Paper<br>II | Inorganic<br>Chemistry | Chemical<br>Equilibrium                     | Feb 16 to Mar<br>24     | 16                | Lecture cum<br>demonstration, Problem<br>solving method. | 1. General And Inorganic Chemistry -<br>(P.K dutta)<br>2. Inorganic chemistry -<br>(Malik, Tuli, Madan) |

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| 3rd year | PASS        | Paper IV | Applied Chemistry | 4. Amino Acid peptide and protein | Aug 11 to Sept 08    | 12             | Lecture cum demonstration, Problem solving method. | I.L FINNER VOL-1 |
| 3rd year | PASS        | Paper IV | Applied Chemistry | 5. Nucleic Acid                   | Sept 09 to Oct 01    | 10             | Lecture cum demonstration, Problem solving method  | I.L FINNER VOL-1 |
| 3rd year | PASS        | Paper IV | Applied Chemistry | 6. Drugs                          | Nov 03 to Dec 02     | 14             | Lecture cum demonstration, Problem solving method. | I.L FINNER VOL-1 |
| 3rd year | PASS        | Paper IV | Applied Chemistry | 10. Hydrogenation of Oil          | Dec 03 to Jan 19     | 16             | Lecture cum demonstration, Problem solving method. | I.L FINNER VOL-1 |
| 3rd year | PASS        | Paper IV | Applied Chemistry | 11. Error Analysis                | Jan 20 to Mar 03     | 16             | Lecture cum demonstration, Problem solving method. | I.L FINNER VOL-1 |