

# महाराणा प्रताप पी.जी. कालेज, जंगल धूसड़, गोरखपुर

| कक्षा : बी.एस-सी. भाग-दो प्रायोगिक पाठ्यक्रम : सत्र २०१४-२०१५ विषय : रसायन विज्ञान (Chemistry) |           |                   |            |                     |                                                |
|------------------------------------------------------------------------------------------------|-----------|-------------------|------------|---------------------|------------------------------------------------|
| दिनांक                                                                                         | व्याख्यान | प्राध्यापक का नाम | प्रश्नपत्र | अध्याय              | शीर्षक                                         |
| 16.08.2014                                                                                     | 1         | Dr. Shalini Singh |            | Seat allotment      | Seat allotment                                 |
| 16.08.2014                                                                                     | 1         | Dr. Ram Sahay     |            | Physical Chemistry  | Introduction heat of neutralization            |
| 22.08.2014                                                                                     | 1         | Dr. S. K. Vernwal | 1          | Physical Chemistry  | Strong acid-strong base                        |
| 22.08.2014                                                                                     | 2         | Dr. Shalini Singh |            | Physical Chemistry  | Strong acid-strong base                        |
| 23.08.2014                                                                                     | 1         | Priyanka Mishra   |            | Physical Chemistry  | Strong acid-strong base                        |
| 23.08.2014                                                                                     | 3         | Dr. Shalini Singh |            | Physical Chemistry  | Strong acid-strong base                        |
| 29.08.2014                                                                                     | 2         | Dr. S. K. Vernwal |            | Physical Chemistry  | Strong acid-strong base                        |
| 29.08.2014                                                                                     | 4         | Dr. Shalini Singh |            | Physical Chemistry  | Strong acid-strong base                        |
| 30.08.2014                                                                                     | 2         | Priyanka Mishra   | 2          | Physical Chemistry  | Strong acid weak base                          |
| 30.08.2014                                                                                     | 5         | Dr. Shalini Singh |            | Physical Chemistry  | Strong acid weak base                          |
| 05.09.2014                                                                                     | 3         | Dr. S. K. Vernwal |            | Physical Chemistry  | Strong acid weak base                          |
| 05.09.2014                                                                                     | 6         | Dr. Shalini Singh |            | Physical Chemistry  | Strong acid weak base                          |
| 06.09.2014                                                                                     | 3         | Priyanka Mishra   | 3          | Physical Chemistry  | Weak acid-strong base                          |
| 06.09.2014                                                                                     | 7         | Dr. Shalini Singh |            | Physical Chemistry  | Weak acid-strong base                          |
| 12.09.2014                                                                                     | 4         | Dr. S. K. Vernwal |            | Physical Chemistry  | Weak acid-strong base                          |
| 12.09.2014                                                                                     | 8         | Dr. Shalini Singh |            | Physical Chemistry  | Weak ac.id-strong base                         |
| 13.09.2014                                                                                     | 2         | Dr. Ram Sahay     | 4          | Physical Chemistry  | Transition temperature of $MnCl_2 \cdot 4H_2O$ |
| 13.09.2014                                                                                     | 5         | Dr. S. K. Vernwal |            | Physical Chemistry  | Transition temperature of $MnCl_2 \cdot 4H_2O$ |
| 19.09.2014                                                                                     | 4         | Priyanka Mishra   |            | Physical Chemistry  | Transition temperature of $MnCl_2 \cdot 4H_2O$ |
| 19.09.2014                                                                                     | 9         | Dr. Shalini Singh |            | Physical Chemistry  | Transition temperature of $MnCl_2 \cdot 4H_2O$ |
| 20.09.2014                                                                                     | 10        | Dr. Shalini Singh | 5          | Inorganic Chemistry | Redox Titration Internal indicator             |
| 20.09.2014                                                                                     | 3         | Dr. Ram Sahay     |            | Inorganic Chemistry | Redox Titration Internal indicator             |
| 26.09.2014                                                                                     | 1         | Pradeep Verma     |            | Inorganic Chemistry | Redox Titration Internal indicator             |
| 26.09.2014                                                                                     | 6         | Dr. S. K. Vernwal |            | Inorganic Chemistry | Redox Titration Internal indicator             |
| 27.09.2014                                                                                     | 5         | Priyanka Mishra   |            | Inorganic Chemistry | Redox Titration Internal indicator             |
| 27.09.2014                                                                                     | 11        | Dr. Shalini Singh |            | Inorganic Chemistry | Redox Titration Internal indicator             |
| 10.10.2014                                                                                     | 7         | Dr. S. K. Vernwal | 6          | Inorganic Chemistry | Redox Titration External indicator             |
| 10.10.2014                                                                                     | 12        | Dr. Shalini Singh |            | Inorganic Chemistry | Redox Titration External indicator             |
| 11.10.2014                                                                                     | 6         | Priyanka Mishra   |            | Inorganic Chemistry | Redox Titration External indicator             |
| 11.10.2014                                                                                     | 13        | Dr. Shalini Singh |            | Inorganic Chemistry | Redox Titration External indicator             |

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|------------------------------------------------------------------------------------------------|-----------|-------------------|------------|---------------------|--------------------------------------------------|
| दिनांक                                                                                         | व्याख्यान | प्राध्यापक का नाम | प्रश्नपत्र | अध्याय              | शीर्षक                                           |
| 17.10.2014                                                                                     | 8         | Dr. S. K. Vernwal |            | Inorganic Chemistry | Redox Titration External indicator               |
| 17.10.2014                                                                                     | 14        | Dr. Shalini Singh |            | Inorganic Chemistry | Redox Titration External indicator               |
| 18.10.2014                                                                                     | 7         | Priyanka Mishra   | 7          | Organic Chemistry   | Instruction : identification of organic compound |
| 18.10.2014                                                                                     | 15        | Dr. Shalini Singh |            | Organic Chemistry   | Instruction : identification of organic compound |
| 31.10.2014                                                                                     | 9         | Dr. S. K. Vernwal |            | Organic Chemistry   | Instruction : identification of organic compound |
| 31.10.2014                                                                                     | 2         | Pradeep Verma     |            | Organic Chemistry   | Instruction : identification of organic compound |
| 01.11.2014                                                                                     | 10        | Dr. S. K. Vernwal |            | Organic Chemistry   | Instruction : identification of organic compound |
| 01.11.2014                                                                                     | 16        | Dr. Shalini Singh |            | Organic Chemistry   | Instruction : identification of organic compound |
| 07.11.2014                                                                                     | 8         | Priyanka Mishra   |            | Organic Chemistry   | Instruction : identification of organic compound |
| 07.11.2014                                                                                     | 17        | Dr. Shalini Singh |            | Organic Chemistry   | Instruction : identification of organic compound |
| 08.11.2014                                                                                     | 18        | Dr. Shalini Singh | 8          | Organic Chemistry   | Identification of organic compound               |
| 08.11.2014                                                                                     | 3         | Pradeep Verma     |            | Organic Chemistry   | Identification of organic compound               |
| 14.11.2014                                                                                     | 9         | Priyanka Mishra   |            | Organic Chemistry   | Identification of organic compound               |
| 14.11.2014                                                                                     | 19        | Dr. Shalini Singh |            | Organic Chemistry   | Identification of organic compound               |
| 15.11.2014                                                                                     | 20        | Dr. Shalini Singh | 9          | Organic Chemistry   | Identification of organic compound               |
| 15.11.2014                                                                                     | 4         | Pradeep Verma     |            | Organic Chemistry   | Identification of organic compound               |
| 21.11.2014                                                                                     | 10        | Priyanka Mishra   |            | Organic Chemistry   | Identification of organic compound               |
| 21.11.2014                                                                                     | 21        | Dr. Shalini Singh |            | Organic Chemistry   | Identification of organic compound               |
| 22.11.2014                                                                                     | 22        | Dr. Shalini Singh | 10         | Organic Chemistry   | Identification of organic compound               |
| 22.11.2014                                                                                     | 4         | Dr. Ram Sahay     |            | Organic Chemistry   | Identification of organic compound               |
| 28.11.2014                                                                                     | 11        | Dr. S. K. Vernwal |            | Organic Chemistry   | Identification of organic compound               |
| 28.11.2014                                                                                     | 23        | Dr. Shalini Singh |            | Organic Chemistry   | Identification of organic compound               |
| 29.11.2014                                                                                     | 11        | Priyanka Mishra   | 11         | Organic Chemistry   | Identification of organic compound               |
| 29.11.2014                                                                                     | 24        | Dr. Shalini Singh |            | Organic Chemistry   | Identification of organic compound               |
| 06.12.2014                                                                                     | 12        | Dr. S. K. Vernwal |            | Organic Chemistry   | Identification of organic compound               |
| 06.12.2014                                                                                     | 5         | Pradeep Verma     |            | Organic Chemistry   | Identification of organic compound               |
| 12.12.2014                                                                                     | 13        | Dr. S. K. Vernwal | 12         | Organic Chemistry   | Identification of organic compound               |
| 12.12.2014                                                                                     | 5         | Dr. Ram Sahay     |            | Organic Chemistry   | Identification of organic compound               |
| 19.12.2014                                                                                     | 25        | Dr. Shalini Singh |            | Organic Chemistry   | Identification of organic compound               |
| 19.12.2014                                                                                     | 6         | Dr. Ram Sahay     |            | Organic Chemistry   | Identification of organic compound               |

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|------------------------------------------------------------------------------------------------|-----------|-------------------|------------|---------------------|-----------------------------------------------------------------|
| दिनांक                                                                                         | व्याख्यान | प्राध्यापक का नाम | प्रश्नपत्र | अध्याय              | शीर्षक                                                          |
| 20.12.2014                                                                                     | 14        | Dr. S. K. Vernwal | 13         | Organic Chemistry   | Identification of organic compound                              |
| 20.12.2014                                                                                     | 7         | Dr. Ram Sahay     |            | Organic Chemistry   | Identification of organic compound                              |
| 26.12.2014                                                                                     | 12        | Priyanka Mishra   |            | Organic Chemistry   | Identification of organic compound                              |
| 26.12.2014                                                                                     | 26        | Dr. Shalini Singh |            | Organic Chemistry   | Identification of organic compound                              |
| 27.12.2014                                                                                     | 27        | Dr. Shalini Singh | 14         | Inorganic Chemistry | Indometric Estimation of copper sulphate & potassium dichronate |
| 27.12.2014                                                                                     | 8         | Dr. Ram Sahay     |            | Inorganic Chemistry | Indometric Estimation of copper sulphate & potassium dichronate |
| 02.01.2015                                                                                     | 13        | Priyanka Mishra   |            | Inorganic Chemistry | Indometric Estimation of copper sulphate & potassium dichronate |
| 02.01.2015                                                                                     | 28        | Dr. Shalini Singh |            | Inorganic Chemistry | Indometric Estimation of copper sulphate & potassium dichronate |
| 03.01.2015                                                                                     | 29        | Dr. Shalini Singh | 15         | Inorganic Chemistry | Estimation of $Ca^{2+}$ ions using $KMnO_4$ solution            |
| 03.01.2015                                                                                     | 9         | Dr. Ram Sahay     |            | Inorganic Chemistry | Estimation of $Ca^{2+}$ ions using $KMnO_4$ solution            |
| 09.01.2015                                                                                     | 15        | Dr. S. K. Vernwal |            | Inorganic Chemistry | Estimation of $Ca^{2+}$ ions using $KMnO_4$ solution            |
| 09.01.2015                                                                                     | 15        | Dr. Shalini Singh |            | Inorganic Chemistry | Estimation of $Ca^{2+}$ ions using $KMnO_4$ solution            |
| 10.01.2015                                                                                     | 14        | Priyanka Mishra   | 16         | Inorganic Chemistry | Determination of acetic acid in vinegar using NaOH              |
| 10.01.2015                                                                                     | 31        | Dr. Shalini Singh |            | Inorganic Chemistry | Determination of acetic acid in vinegar using NaOH              |
| 17.01.2015                                                                                     | 10        | Dr. Ram Sahay     |            | Inorganic Chemistry | Determination of acetic acid in vinegar using NaOH              |
| 17.01.2015                                                                                     | 16        | Dr. S. K. Vernwal |            | Inorganic Chemistry | Determination of acetic acid in vinegar using NaOH              |
| 23.01.2015                                                                                     | 17        | Dr. S. K. Vernwal | 17         | Physical Chemistry  | Phase diagram of two component system                           |
| 23.01.2015                                                                                     | 11        | Dr. Ram Sahay     |            | Physical Chemistry  | Phase diagram of two component system                           |
| 30.01.2015                                                                                     | 15        | Priyanka Mishra   |            | Physical Chemistry  | Phase diagram of two component system                           |
| 30.01.2015                                                                                     | 32        | Dr. Shalini Singh |            | Physical Chemistry  | Phase diagram of two component system                           |
| 31.01.2015                                                                                     | 33        | Dr. Shalini Singh | 18         | Physical Chemistry  | Determination of enthalpy of $CaCl_2$ using Born-Haber cycle    |

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|--------------------------|-----------|-------------------|--------------------------------------|---------------------|---------------------------------------------------------------------|
| दिनांक                   | व्याख्यान | प्राध्यापक का नाम | प्रश्नपत्र                           | अध्याय              | शीर्षक                                                              |
| 31.01.2015               | 12        | Dr. Ram Sahay     |                                      | Physical Chemistry  | Determination of enthalpy of $\text{CaCl}_2$ using Born-Haber cycle |
| 06.02.2015               | 16        | Priyanka Mishra   |                                      | Physical Chemistry  | Determination of enthalpy of $\text{CaCl}_2$ using Born-Haber cycle |
| 06.02.2015               | 39        | Dr. Shalini Singh |                                      | Physical Chemistry  | Determination of enthalpy of $\text{CaCl}_2$ using Born-Haber cycle |
| 07.02.2015               | 35        | Dr. Shalini Singh | 19                                   | Inorganic Chemistry | Estimation of silver ions by volhards & Mohr's Method               |
| 07.02.2015               | 13        | Dr. Ram Sahay     |                                      | Inorganic Chemistry | Estimation of silver ions by Volhards & Mohr's Method               |
| 13.02.2015               | 17        | Priyanka Mishra   |                                      | Inorganic Chemistry | Estimation of silver ions by Volhards & Mohr's Method               |
| 13.02.2015               | 36        | Dr. Shalini Singh |                                      | Inorganic Chemistry | Estimation of silver ions by Volhards & Mohr's Method               |