

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

| कक्षा : बी.ए./बी.एस-सी. भाग-दो |           |                   | पाठ्यक्रम योजना : सत्र २०१४-२०१५ |                       | विषय : गणित                  |
|--------------------------------|-----------|-------------------|----------------------------------|-----------------------|------------------------------|
| दिनांक                         | व्याख्यान | प्राध्यापक का नाम | प्रश्नपत्र                       | अध्याय                | शीर्षक                       |
| 16.07.2014                     | 1         | S.M.T.            | I                                | Finite diff.          | Introduction                 |
| 16.07.2014                     | 1         | P.K.D.            | I                                | Ring and fields       | Introduction                 |
| 17.07.2014                     | 2         | S.M.T.            | III                              | Finite diff.          | Toward diff. operator        |
| 17.07.2014                     | 2         | P.K.D.            | I                                | Ring and fields       | Definition                   |
| 18.07.2014                     | 3         | P.K.D.            | I                                | Ring and fields       | Properties of rings          |
| 19.07.2014                     | 1         | P.K.D.            | II                               | Dedakinds theory      | Definition, based examples   |
| 21.07.2014                     | 3         | S.M.T.            | III                              | Finite diff.          | Operator (E)                 |
| 21.07.2014                     | 1         | S.M.T.            | IV                               | Kinematics            | Artical                      |
| 21.07.2014                     | 2         | P.K.D.            | II                               | Dedakinds theory      | Addition of real numbers     |
| 22.07.2014                     |           | S.M.T.            |                                  | <b>Class Teaching</b> |                              |
| 22.07.2014                     | 2         | S.M.T.            | IV                               | Kinematics            | Artical                      |
| 22.07.2014                     | 4         | P.K.D.            | I                                | Ring and fields       | Properties                   |
| 23.07.2014                     | 4         | S.M.T.            | III                              | Finite diff.          | Operators (D)                |
| 23.07.2014                     | 5         | P.K.D.            | I                                | Ring and fields       | Ring with zero divisors      |
| 24.07.2014                     | 5         | S.M.T.            | III                              | Finite diff.          | Operator                     |
| 24.07.2014                     | 6         | P.K.D.            | I                                | Ring and field        | Ring without zero divisors   |
| 26.07.2014                     | 3         | P.K.D.            | II                               | Dedakinds theory      | Addition of real number      |
| 28.07.2014                     | 6         | S.M.T.            | III                              | Finite diff.          | Backward difference          |
| 28.07.2014                     | 3         | S.M.T.            | III                              | Kinematics            | Artical                      |
| 28.07.2014                     | 4         | P.K.D.            | II                               | Dedakinds theory      | Substraction of real numbers |
| 30.07.2014                     | 4         | S.M.T.            | IV                               | Kinematics            | Articals                     |
| 30.07.2014                     | 7         | P.K.D.            | I                                | Ring and field        | Integral domain              |
| 31.07.2014                     | 7         | S.M.T.            | III                              | Finite diff.          | Forward difference           |
| 31.07.2014                     |           | P.K.D.            |                                  | <b>Class Teaching</b> |                              |
| 02.08.2014                     | 8         | P.K.D.            | I                                | Ring and field        | Subfield                     |
| 04.08.2014                     | 8         | S.M.T.            | III                              | Finite diff.          | Central difference           |
| 04.08.2014                     | 9         | S.M.T.            | III                              | Finite diff.          | Mean operator                |
| 04.08.2014                     | 9         | P.K.D.            | I                                | Ring and fields       | Left and right ideal         |
| 05.08.2014                     | 5         | S.M.T.            | IV                               | Kinematics            | Based problems               |
| 05.08.2014                     | 10        | S.M.T.            | IV                               | Kinematics            | Based Problems               |

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

| कक्षा : बी.ए./बी.एस-सी. भाग-दो |           |                   | पाठ्यक्रम योजना : सत्र २०१४-२०१५ |                            | विषय : गणित                        |
|--------------------------------|-----------|-------------------|----------------------------------|----------------------------|------------------------------------|
| दिनांक                         | व्याख्यान | प्राध्यापक का नाम | प्रश्नपत्र                       | अध्याय                     | शीर्षक                             |
| 05.08.2014                     | 5         | P.K.D.            | II                               | Dedakinds theory           | Multiplication of real numbers     |
| 06.08.2014                     | 10        | S.M.T.            | III                              | Finite diff.               | Mean operator                      |
| 06.08.2014                     | 6         | P.K.D.            | II                               | Dedakinds theory           | Multiplication of real numbers     |
| 07.08.2014                     | 11        | S.M.T.            | III                              | Finite diff.               | Separation of symbols              |
| 07.08.2014                     | 10        | P.K.D.            | I                                | Ring and field             | Based theorem                      |
| 08.08.2014                     |           | P.K.D.            |                                  | <b>Class Teaching</b>      |                                    |
| 09.08.2014                     | 11        | P.K.D.            | I                                | Ring and field             | Based theorems                     |
| 11.08.2014                     | 12        | S.M.T.            | III                              | I.W.E. interval            | Missing values                     |
| 11.08.2014                     | 7         | S.M.T.            | IV                               | Kinematics                 | Based problems                     |
| 11.08.2014                     | 12        | P.K.D.            | I                                | Ring and field             | Based theorem                      |
| 12.08.2014                     | 8         | S.M.T.            | IV                               | Kinematics                 | Based problems                     |
| 12.08.2014                     | 13        | S.M.T.            | III                              | I.W.E. interval            | Newton binomial expansion formula  |
| 12.08.2014                     | 7         | P.K.D.            | II                               | Dedakinds theory           | Division of real numbers           |
| 13.08.2014                     | 14        | S.M.T.            | III                              | I.W.E. interval            | Newton forward interpolation       |
| 13.08.2014                     | 8         | P.K.D.            | II                               | Dedakinds theory           | Division of real numbers           |
| 14.08.2014                     | 15        | S.M.T.            | III                              | I.W.E. interval            | N-G backward interpolation         |
| 14.08.2014                     | 13        | P.K.D.            | I                                | Ring and fields            | Based theorem                      |
| 16.08.2014                     |           | P.K.D.            |                                  | <b>Class Teaching</b>      |                                    |
| 19.08.2014                     | 9         | S.M.T.            | IV                               | Kinetics                   | Artical                            |
| 19.08.2014                     | 10        | S.M.T.            | IV                               | Kinetics                   | Artical                            |
| 19.08.2014                     | 14        | P.K.D.            | I                                | Ring and field             | Based theorems                     |
| 20.08.2014                     | 16        | S.M.T.            | III                              | I.W. unequal intervals     | Newton general divided differences |
| 20.08.2014                     | 15        | P.K.D.            | I                                | Ring and field             | Based theorem                      |
| 21.08.2014                     | 17        | S.M.T.            | III                              | I.W. unequal interpolation | Lagrange's interpolation           |
| 21.08.2014                     | 9         | P.K.D.            | II                               | Bounds and intervals       | Bounds                             |
| 22.08.2014                     | 10        | P.K.D.            | II                               | Bounds and intervals       | Lower and upper bounds             |
| 23.08.2014                     | 16        | P.K.D.            | I                                | Ring and field             | Based theorem                      |
| 25.08.2014                     | 18        | S.M.T.            | III                              | I.W. unequal interpolation | Inverse interpolation              |
| 25.08.2014                     |           | S.M.T.            |                                  | <b>Monthly Evaluation</b>  |                                    |
| 25.08.2014                     | 17        | P.K.D.            | I                                | Ring and fields            | Based examples                     |

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

| कक्षा : बी.ए./बी.एस-सी. भाग-दो |           |                   | पाठ्यक्रम योजना : सत्र २०१४-२०१५ |                       | विषय : गणित             |
|--------------------------------|-----------|-------------------|----------------------------------|-----------------------|-------------------------|
| दिनांक                         | व्याख्यान | प्राध्यापक का नाम | प्रश्नपत्र                       | अध्याय                | शीर्षक                  |
| 26.08.2014                     | 11        | S.M.T.            | IV                               | Kinetics              | Artical                 |
| 26.08.2014                     | 12        | S.M.T.            | IV                               | Kinetics              | Artical                 |
| 26.08.2014                     | 18        | P.K.D.            | I                                | Ring and fields       | Based examples          |
| 27.08.2014                     | 19        | S.M.T.            | III                              | C-Dinterpolation      | Introduction            |
| 27.08.2014                     | 19        | P.K.D.            | I                                | Ring and fields       | Based problems          |
| 28.08.2014                     | 20        | S.M.T.            | III                              | C-D interpolation     | Gauses forward          |
| 28.08.2014                     | 11        | P.K.D.            | II                               | Bounds and intervals  | Infimum and suprimum    |
| 29.08.2014                     | 12        | P.K.D.            | II                               | Bounds and intervals  | Based theorem           |
| 30.08.2014                     | 20        | P.K.D.            | I                                | Ring and fields       | Based theorem           |
| 01.09.2014                     | 21        | S.M.T.            | III                              | C-D interpolation     | Gauses Backward         |
| 01.09.2014                     | 13        | S.M.T.            | IV                               | Kinetics              | Based problems          |
| 01.09.2014                     |           | P.K.D.            |                                  | <b>Class Teaching</b> |                         |
| 02.09.2014                     | 14        | S.M.T.            | IV                               | Kinetics              | Based problems          |
| 02.09.2014                     | 22        | S.M.T.            | III                              | C-D interpolation     | Based problems          |
| 02.09.2014                     | 21        | P.K.D.            | I                                | Ring and fields       | Based theorems          |
| 03.09.2014                     | 23        | S.M.T.            | III                              | C-D interpolation     | Bessel's formula        |
| 03.09.2014                     | 22        | P.K.D.            | I                                | Ring and fields       | Based theorems          |
| 04.09.2014                     | 24        | S.M.T.            | III                              | C-D interpolation     | Stirling's formula      |
| 04.09.2014                     | 13        | P.K.D.            | II                               | Bounds and intervals  | Based theorem           |
| 05.09.2014                     | 14        | P.K.D.            | II                               | Sequence              | Definitions, examples   |
| 06.09.2014                     | 23        | P.K.D.            | I                                | Vector space          | Introduction definition |
| 10.09.2014                     |           | S.M.T.            |                                  | <b>Class Teaching</b> |                         |
| 10.09.2014                     | 24        | P.K.D.            | I                                | Vector space          | Based theorem           |
| 12.09.2014                     | 15        | S.M.T.            | IV                               | Kinetics              | Artical                 |
| 13.09.2014                     | 25        | P.K.D.            | I                                | Vector space          | Based theorem           |
| 16.09.2014                     | 16        | S.M.T.            | IV                               | Kinetics              | Based problems          |
| 16.09.2014                     | 25        | S.M.T.            | III                              | C-D interpolation     | Based theorem           |
| 16.09.2014                     | 15        | P.K.D.            | II                               | Sequence              | Based theorem           |
| 18.09.2014                     | 26        | S.M.T.            | III                              | Numerical intgration  | G-Quadrature formula    |
| 18.09.2014                     | 16        | P.K.D.            | II                               | Sequence              | B.W.P. property         |

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

| कक्षा : बी.ए./बी.एस-सी. भाग-दो |           |                   | पाठ्यक्रम योजना : सत्र २०१४-२०१५ |                           | विषय : गणित                      |
|--------------------------------|-----------|-------------------|----------------------------------|---------------------------|----------------------------------|
| दिनांक                         | व्याख्यान | प्राध्यापक का नाम | प्रश्नपत्र                       | अध्याय                    | शीर्षक                           |
| 19.09.2014                     | 26        | P.K.D.            | I                                | Vector space              | Based theorem                    |
| 20.09.2014                     |           | P.K.D.            |                                  | <b>Class Teaching</b>     |                                  |
| 29.09.2014                     | 27        | S.M.T.            | III                              | Numerical integration     | Trapezoidal rule                 |
| 22.09.2014                     | 17        | S.M.T.            | IV                               | Motion in R medium        | Artical                          |
| 22.09.2014                     | 27        | P.K.D.            | I                                | Vector space              | Based theorem                    |
| 24.09.2014                     | 18        | S.M.T.            | IV                               | Motion in R medium        | Artical                          |
| 24.09.2014                     | 28        | P.K.D.            | I                                | Vector space              | Based theorem                    |
| 26.09.2014                     | 17        | P.K.D.            | II                               | Sequence                  | Based theorem                    |
| 27.09.2014                     | 18        | P.K.D.            | II                               | Sequence                  | Based theorem                    |
| 29.09.2014                     | 29        | S.M.T.            | III                              | Numerical integration     | Simpson's 1/3 rule               |
| 29.09.2014                     | 29        | S.M.T.            | III                              | Numerical integration     | Based problems                   |
| 29.09.2014                     | 29        | P.K.D.            | I                                | Vector space              | Based theorem                    |
| 30.09.2014                     |           | S.M.T.            |                                  | <b>Monthly Evaluation</b> |                                  |
| 30.09.2014                     | 19        | S.M.T.            | IV                               | Motion in R medium        | Artical                          |
| 30.09.2014                     | 30        | P.K.D.            | I                                | Vector space              | Based theorems                   |
| 01.10.2014                     | 20        | S.M.T.            | IV                               | Motion in R medium        | Artical                          |
| 01.10.2014                     | 31        | P.K.D.            | I                                | Vector space              | Based theorems                   |
| 07.10.2014                     | 30        | S.M.T.            | III                              | Numerical integration     | Simpson's 3/8                    |
| 07.10.2014                     | 31        | S.M.T.            | III                              | Numerical integration     | Based problems                   |
| 07.10.2014                     | 19        | P.K.D.            | II                               | Sequence                  | Based theorems                   |
| 09.10.2014                     | 32        | S.M.T.            | III                              | Numerical integration     | Weddles rule                     |
| 09.10.2014                     | 20        | P.K.D.            | II                               | Sequence                  | Based theorems                   |
| 10.10.2014                     | 32        | P.K.D.            | I                                | Vector space              | Based theorems                   |
| 11.10.2014                     | 33        | P.K.D.            | I                                | Vector space              | Linear combination based theorem |
| 13.10.2014                     | 21        | S.M.T.            | IV                               | Motion in R medium        | Artical                          |
| 13.10.2014                     | 22        | S.M.T.            | IV                               | Motion in R medium        | Based problems                   |
| 13.10.2014                     |           | P.K.D.            |                                  | <b>Class Teaching</b>     |                                  |
| 14.10.2014                     | 33        | S.M.T.            | III                              | Numerical integration     | Based problems                   |
| 14.10.2014                     | 34        | S.M.T.            | III                              | Numerical integration     | Based problems                   |
| 14.10.2014                     | 34        | P.K.D.            | I                                | Vector space              | Linear combination based theorem |

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

| कक्षा : बी.ए./बी.एस-सी. भाग-दो |           |                   | पाठ्यक्रम योजना : सत्र २०१४-२०१५ |                           | विषय : गणित             |
|--------------------------------|-----------|-------------------|----------------------------------|---------------------------|-------------------------|
| दिनांक                         | व्याख्यान | प्राध्यापक का नाम | प्रश्नपत्र                       | अध्याय                    | शीर्षक                  |
| 15.10.2014                     | 35        | S.M.T.            | III                              | N.S. of diff.             | Tagur series method     |
| 15.10.2014                     | 21        | P.K.D.            | II                               | Limit, continuity         | Definitions, examples   |
| 16.10.2014                     | 23        | S.M.T.            | IV                               | Coplanar forces           | Artical                 |
| 16.10.2014                     | 22        | P.K.D.            | II                               | Limit and continuity      | Based theorems          |
| 17.10.2014                     | 35        | P.K.D.            | I                                | Vector space              | Based theorems          |
| 18.10.2014                     | 36        | P.K.D.            | I                                | Vector space              | Based theorems          |
| 27.10.2014                     |           | S.M.T.            |                                  | <b>Monthly Evaluation</b> |                         |
| 27.10.2014                     | 24        | S.M.T.            | IV                               | Coplnar force             | Artical                 |
| 27.10.2014                     | 37        | P.K.D.            | I                                | Vector space              | Based theorem           |
| 28.10.2014                     | 36        | S.M.T.            | III                              | N.S. of diff. eq.         | Euler's method          |
| 28.10.2014                     | 37        | S.M.T.            | III                              | N.S. of diff. eq.         | Modified Euler's method |
| 28.10.2014                     | 23        | P.K.D.            | II                               | Limit and continuity      | Based theorem           |
| 30.10.2014                     | 38        | S.M.T.            | III                              | N.S. of diff.eq.          | Based problems          |
| 30.10.2014                     | 24        | P.K.D.            | II                               | Limit continuity          | Based theorems          |
| 31.10.2014                     | 38        | P.K.D.            | I                                | Vector space              | Based theorems          |
| 01.11.2014                     | 39        | P.K.D.            | I                                | Vector space              | Based theorems          |
| 07.11.2014                     | 40        | P.K.D.            | I                                | Vector space              | Based theorems          |
| 08.11.2014                     |           | P.K.D.            |                                  | <b>Class Teaching</b>     |                         |
| 10.11.2014                     | 25        | S.M.T.            | IV                               | Coplanar forces           | Artical                 |
| 10.11.2014                     | 26        | S.M.T.            | IV                               | Coplanar forces           | Based problems          |
| 10.11.2014                     | 25        | P.K.D.            | II                               | Limit and contiuity       | Based problems          |
| 11.11.2014                     | 39        | S.M.T.            | III                              | N.S. of diff.eq.          | Runga-kutta method      |
| 11.11.2014                     | 40        | S.M.T.            | III                              | N.S. of diff.eq.          | Picard's method         |
| 11.11.2014                     | 26        | P.K.D.            | II                               | Differentiability         | Definitions, examples   |
| 12.11.2014                     | 41        | S.M.T.            | III                              | N.S. of diff.eq.          | Based problems          |
| 12.11.2014                     | 41        | P.K.D.            | I                                | Linear transformation     | Definition, example     |
| 13.11.2014                     | 27        | S.M.T.            | IV                               | Virtual work              | Artical                 |
| 13.11.2014                     | 42        | P.K.D.            | I                                | L.T.                      | Algebra of L.T.         |
| 14.11.2014                     | 43        | P.K.D.            | I                                | Linear operator           | Range and null space    |
| 15.11.2014                     |           | P.K.D.            |                                  | <b>Class Teaching</b>     |                         |

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

| कक्षा : बी.ए./बी.एस-सी. भाग-दो |           |                   | पाठ्यक्रम योजना : सत्र २०१४-२०१५ |                           | विषय : गणित               |
|--------------------------------|-----------|-------------------|----------------------------------|---------------------------|---------------------------|
| दिनांक                         | व्याख्यान | प्राध्यापक का नाम | प्रश्नपत्र                       | अध्याय                    | शीर्षक                    |
| 17.11.2014                     | 28        | S.M.T.            | IV                               | Virtual work              | Artical                   |
| 17.11.2014                     | 42        | S.M.T.            | III                              | N.S. of diff.eq.          | Based problems            |
| 17.11.2014                     | 27        | P.K.D.            | II                               | Differentiability         | Based theorems            |
| 18.11.2014                     | 43        | S.M.T.            | III                              | N.S. of diff.eq.          | Based problems            |
| 18.11.2014                     | 44        | S.M.T.            | III                              | Solution of algebric eq.  | Graphical solution        |
| 18.11.2014                     | 28        | P.K.D.            | II                               | Differentiability         | Based theorems            |
| 19.11.2014                     | 29        | S.M.T.            | IV                               | Virtual work              | Artical                   |
| 19.11.2014                     | 44        | P.K.D.            | I                                | Linear operations         | Based theorem             |
| 20.11.2014                     | 30        | S.M.T.            | IV                               | Virtual work              | Artical                   |
| 20.11.2014                     | 45        | P.K.D.            | I                                | L.T.                      | Theorems                  |
| 21.11.2014                     | 46        | P.K.D.            | I                                | Matrix representation     | Theorems                  |
| 22.11.2014                     |           | P.K.D.            |                                  | <b>Monthly Evaluation</b> |                           |
| 25.11.2014                     | 45        | S.M.T.            | III                              | Solution of algebric      | Method of bisection       |
| 25.11.2014                     | 46        | S.M.T.            | III                              | Solution of algebric      | Method of iteration       |
| 25.11.2014                     | 29        | P.K.D.            | II                               | Differentiability         | Based Theorems            |
| 26.11.2014                     | 47        | S.M.T.            | III                              | Solution of algebric      | Based problems            |
| 26.11.2014                     | 30        | P.K.D.            | II                               | Differentiability         | Based theorems            |
| 27.11.2014                     | 31        | S.M.T.            | IV                               | Virtual work              | Based problems            |
| 27.11.2014                     | 47        | P.K.D.            | I                                | Matrix                    | Rank and nullity          |
| 20.11.2014                     | 48        | P.K.D.            | I                                | Matrix                    | Based problems            |
| 29.11.2014                     | 49        | P.K.D.            | I                                | Change of basis           | Method discuss            |
| 01.12.2014                     |           | S.M.T.            |                                  | <b>Class Teaching</b>     |                           |
| 01.12.2014                     | 32        | S.M.T.            | IV                               | Catenary                  | Artical                   |
| 01.12.2014                     | 31        | P.K.D.            | II                               | Differentiability         | Based theorem             |
| 02.12.2014                     | 48        | S.M.T.            | III                              | Vector diff.              | Based problems            |
| 02.12.2014                     | 49        | S.M.T.            | III                              | Vector diff.              | Based problems            |
| 02.12.2014                     | 32        | P.K.D.            | II                               | Convergence of series     | Definition based examples |
| 03.12.2014                     | 50        | S.M.T.            | III                              | Vector diff.              | Based problems            |
| 03.12.2014                     | 50        | P.K.D.            | I                                | Matrix                    | Based problems            |
| 06.12.2014                     | 51        | P.K.D.            | I                                | L.T.                      | Based problems            |

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

| कक्षा : बी.ए./बी.एस-सी. भाग-दो |           |                   | पाठ्यक्रम योजना : सत्र २०१४-२०१५ |                       | विषय : गणित                |
|--------------------------------|-----------|-------------------|----------------------------------|-----------------------|----------------------------|
| दिनांक                         | व्याख्यान | प्राध्यापक का नाम | प्रश्नपत्र                       | अध्याय                | शीर्षक                     |
| 08.12.2014                     | 33        | S.M.T.            | IV                               | Catenary              | Artical                    |
| 08.12.2014                     | 34        | S.M.T.            | IV                               | Catenary              | Artical                    |
| 08.12.2014                     | 52        | P.K.D.            | I                                | L.T.                  | Based problems             |
| 09.12.2014                     | 51        | S.M.T.            | III                              | Vector diff.          | Based problems             |
| 09.12.2014                     | 52        | S.M.T.            | III                              | Vector diff.          | Based problems             |
| 09.12.2014                     | 33        | P.K.D.            | II                               | Conregence of series  | Based theorems             |
| 11.12.2014                     | 53        | S.M.T.            | III                              | Vector diff.          | Based problems             |
| 11.12.2014                     |           | P.K.D.            |                                  | <b>Class Teaching</b> |                            |
| 12.12.2014                     | 34        | P.K.D.            | II                               | Convergence of series | Based theorems             |
| 15.12.2014                     | 35        | S.M.T.            | IV                               | Catenary              | Based problems             |
| 15.12.2014                     | 36        | S.M.T.            | IV                               | Catenary              | Based problems             |
| 15.12.2014                     | 53        | P.K.D.            | I                                | L.T.                  | Based problems             |
| 16.12.2014                     | 54        | S.M.T.            | III                              | Diff. operator        | Gradient based problems    |
| 16.12.2014                     | 55        | S.M.T.            | III                              | Diff. operator        | Gradient based problems    |
| 16.12.2014                     | 54        | P.K.D.            | I                                | Linear function       | Discuss                    |
| 17.12.2014                     | 56        | S.M.T.            | III                              | Diff. operator        | Curl based problems        |
| 17.12.2014                     | 55        | P.K.D.            | I                                | Dual basis            | Based theorem              |
| 18.12.2014                     | 37        | S.M.T.            | IV                               | Stable                | Based artical              |
| 18.12.2014                     | 35        | P.K.D.            | II                               | Convergence of series | Based theorems             |
| 19.12.2014                     |           | P.K.D.            |                                  | <b>Class Teaching</b> |                            |
| 20.12.2014                     | 36        | P.K.D.            | II                               | Convegence of series  | Based theorems             |
| 22.12.2014                     | 38        | S.M.T.            | IV                               | Stable                | Based artical              |
| 22.12.2014                     | 57        | S.M.T.            | III                              | Diff. operator        | Curl based problems        |
| 22.12.2014                     | 56        | P.K.D.            | I                                | Invariance of L.O.    | Based theorem              |
| 23.12.2014                     | 58        | S.M.T.            | III                              | Diff. operator        | Divergence based problems  |
| 23.12.2014                     | 59        | S.M.T.            | III                              | Diff. operator        | Divergence based problems  |
| 23.12.2014                     | 57        | P.K.D.            | I                                | Linear function       | Based theorem              |
| 24.12.2014                     | 39        | S.M.T.            | IV                               | Stable                | Problems                   |
| 24.12.2014                     | 58        | P.K.D.            | I                                | Linear function       | Based theorems             |
| 26.12.2014                     | 37        | P.K.D.            | II                               | Convergence of series | Based theorem and problems |

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

| कक्षा : बी.ए./बी.एस-सी. भाग-दो |           |                   | पाठ्यक्रम योजना : सत्र २०१४-२०१५ |                           | विषय : गणित                |
|--------------------------------|-----------|-------------------|----------------------------------|---------------------------|----------------------------|
| दिनांक                         | व्याख्यान | प्राध्यापक का नाम | प्रश्नपत्र                       | अध्याय                    | शीर्षक                     |
| 27.12.2014                     |           | P.K.D.            |                                  | <i>Monthly Evaluation</i> |                            |
| 29.12.2014                     | 40        | S.M.T.            | IV                               | Unstable                  | Artical                    |
| 29.12.2014                     | 60        | S.M.T.            | III                              | Vector integration        | Based problems             |
| 29.12.2014                     | 38        | P.K.D.            | II                               | Riemann integration       | Definiton, examples        |
| 30.12.2014                     | 61        | S.M.T.            | III                              | Vector integration        | Based problems             |
| 30.12.2014                     | 62        | S.M.T.            | III                              | Vector integration        | Based problems             |
| 30.12.2014                     | 59        | P.K.D.            | I                                | Characteristic of matrix  | Methods of examples        |
| 31.12.2014                     | 60        | P.K.D.            | I                                | Eigen values              | Based problems             |
| 01.01.2015                     | 41        | S.M.T.            | IV                               | Unstable                  | Artical                    |
| 01.01.2015                     | 61        | P.K.D.            | I                                | Eigenvalues of L.T.       | Based problems             |
| 02.01.2015                     | 39        | P.K.D.            | II                               | Riemann integration       | Based theorem              |
| 03.01.2015                     |           | P.K.D.            |                                  | <i>Class Teaching</i>     |                            |
| 06.01.2015                     | 42        | S.M.T.            | IV                               | Unstable                  | Artical                    |
| 06.01.2015                     | 63        | S.M.T.            | III                              | Vector integration        | Based problems             |
| 06.01.2015                     | 40        | P.K.D.            | II                               | Riemann antegration       | Based throems              |
| 07.01.2015                     | 64        | S.M.T.            | III                              | Vector integration        | Based problems             |
| 07.01.2015                     | 41        | P.K.D.            | II                               | Rieamann integration      | Based theorems             |
| 08.01.2015                     | 65        | S.M.T.            | III                              | Limit                     | Based artical              |
| 08.01.2015                     | 42        | P.K.D.            | II                               | Riemann integration       | Based theorems             |
| 09.01.2015                     | 43        | P.K.D.            | II                               | Riemann integration       | Based problems             |
| 10.01.2015                     | 62        | P.K.D.            | I                                | Eigen vector              | Based theorem              |
| 12.01.2015                     |           | S.M.T.            |                                  | <i>Class Teaching</i>     |                            |
| 12.01.2015                     | 43        | S.M.T.            | IV                               | C-Motion                  | Artical                    |
| 12.01.2015                     | 63        | P.K.D.            | I                                | Cayley hamilton theorem   | Based theorem              |
| 13.01.2015                     | 44        | S.M.T.            | IV                               | C-Motion                  | Artical                    |
| 13.01.2015                     | 66        | S.M.T.            | III                              | Limit                     | Based problems             |
| 13.01.2015                     | 44        | P.K.D.            | II                               | Riemann-stieltjes         | Definition, based examples |
| 17.01.2015                     | 45        | P.K.D.            | II                               | Riemann-stielljes         | Based theorems             |
| 19.01.2015                     | 67        | S.M.T.            | III                              | Limit                     | Based problems             |
| 19.01.2015                     | 68        | S.M.T.            | III                              | Limit                     | Based problems             |

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

| कक्षा : बी.ए./बी.एस-सी. भाग-दो |           |                   | पाठ्यक्रम योजना : सत्र २०१४-२०१५ |                           | विषय : गणित                 |
|--------------------------------|-----------|-------------------|----------------------------------|---------------------------|-----------------------------|
| दिनांक                         | व्याख्यान | प्राध्यापक का नाम | प्रश्नपत्र                       | अध्याय                    | शीर्षक                      |
| 19.01.2015                     | 46        | P.K.D.            | II                               | Riemann-stieltjes         | Based theorems              |
| 20.01.2015                     | 45        | S.M.T.            | IV                               | C-Motion                  | Artical                     |
| 20.01.2015                     | 46        | S.M.T.            | IV                               | C-Motion                  | Artical                     |
| 20.01.2015                     | 64        | P.K.D.            | I                                | Cayley hamilton theorem   | Based theorems and problems |
| 21.01.2015                     | 69        | S.M.T.            | III                              | Differentiability         | Based problems              |
| 21.01.2015                     | 65        | P.K.D.            | I                                | Minimal polynomial        | Based theorem               |
| 22.01.2015                     | 70        | S.M.T.            | III                              | Differentiability         | Based problems              |
| 22.01.2015                     |           | P.K.D.            |                                  | <b>Class Teaching</b>     |                             |
| 23.01.2015                     | 47        | P.K.D.            | II                               | Riemann-Stieltjes         | Based theorems              |
| 27.01.2015                     |           | S.M.T.            | III                              | Jacobians                 | Based problems              |
| 27.01.2015                     | 47        | S.M.T.            | IV                               | H-motion                  | Artical                     |
| 27.01.2015                     | 48        | P.K.D.            | II                               | Improper integral         | Defintion, based example    |
| 28.01.2015                     | 71        | S.M.T.            | III                              | Jacobians                 | Based problems              |
| 28.01.2015                     | 49        | P.K.D.            | II                               | Improper integral         | Based theorems              |
| 29.01.2015                     | 72        | S.M.T.            | III                              | Jacobians                 | Based problems              |
| 29.01.2015                     | 66        | P.K.D.            | I                                | Minimal polynomial        | Based theorem               |
| 30.01.2015                     | 73        | S.M.T.            | III                              | Jacobians                 | Based problems              |
| 30.01.2015                     | 67        | P.K.D.            | I                                | Diagonalization           | Based theorems              |
| 31.01.2015                     |           | P.K.D.            |                                  | <b>Monthly Evaluation</b> |                             |
| 02.02.2015                     | 48        | S.M.T.            | IV                               | H-Motion                  | Artical                     |
| 02.02.2015                     | 49        | S.M.T.            | IV                               | H-Motion                  | Artical                     |
| 02.02.2015                     | 50        | P.K.D.            | II                               | Improper integral         | Based theorems              |
| 03.02.2015                     | 74        | S.M.T.            | III                              | Minima                    | Problems                    |
| 03.02.2015                     | 75        | S.M.T.            | III                              | Minima                    | Problems                    |
| 03.02.2015                     | 51        | P.K.D.            | II                               | Improper integrals        | Based Theorems              |
| 04.02.2015                     | 50        | S.M.T.            | IV                               | University                | Paper                       |
| 04.02.2015                     | 52        | P.K.D.            | II                               | Improper integer          | Based theorems and problems |
| 05.02.2015                     | 51        | S.M.T.            | IV                               | University                | Paper                       |
| 05.02.2015                     | 68        | P.K.D.            | I                                | Diagonalization           | Based problems              |
| 61.02.2015                     | 69        | P.K.D.            | I                                | Diagonalization           | Based problems              |

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

| कक्षा : बी.ए./बी.एस-सी. भाग-दो |           |                   | पाठ्यक्रम योजना : सत्र २०१४-२०१५ |                              | विषय : गणित                   |
|--------------------------------|-----------|-------------------|----------------------------------|------------------------------|-------------------------------|
| दिनांक                         | व्याख्यान | प्राध्यापक का नाम | प्रश्नपत्र                       | अध्याय                       | शीर्षक                        |
| 07.02.2015                     |           | P.K.D.            |                                  | <b><i>Class Teaching</i></b> |                               |
| 09.02.2015                     | 76        | S.M.T.            | III                              | Maxima                       | Problems                      |
| 09.02.2015                     | 77        | S.M.T.            | III                              | Maxima                       | Problems                      |
| 09.02.2015                     | 53        | P.K.D.            | II                               | Improper integrals           | Based theorems                |
| 10.02.2015                     | 52        | S.M.T.            | IV                               | University                   | Paper                         |
| 10.02.2015                     | 53        | S.M.T.            | IV                               | University                   | Paper                         |
| 10.02.2015                     | 54        | P.K.D.            | II                               | Improper integrals           | Based theorems                |
| 11.02.2015                     | 54        | S.M.T.            | IV                               | University                   | Paper                         |
| 11.02.2015                     | 55        | P.K.D.            | II                               | Improper integrals           | Based theorems/Based problems |
| 12.02.2015                     | 78        | S.M.T.            | III                              | Maxima                       | Problems                      |
| 12.02.2015                     | 70        | P.K.D.            | I                                | Diagonalization              | Based problems                |
| 13.02.2015                     | 71        | P.K.D.            | I                                | Diagonalization              | Based problems                |
| 14.02.2015                     |           | P.K.D.            | 1                                | <b><i>Class Teaching</i></b> |                               |