

**Polba Mahavidyalaya Departmental**  
**Lesson Plan 2018-2019**

Name of the Department: Mathematics

Name of the Programme: B.Sc. (General)

Name of the Course: Mathematics

Period of the Lesson Plan: 2<sup>st</sup> July 2018 – 29<sup>th</sup> June 2019

**ODD SEMESTER**

| Academic Period     | Class    | Paper    | Topic to be covered   | No of lectures | Name of the teacher | Date of Internal Assessment            |
|---------------------|----------|----------|---|----------------|---------------------|--|
| July' 18 to Jan' 19 | SEM- I   | BMG1CC1A | Limit and its examples, continuity, derivative, successive derivative, partial derivative etc.            | 20             | Mr. Palash Sadhu    | 1 <sup>st</sup> week of December, 2018 |
|                     |          |          | Curvature, polar coordinates, Tangent, normal, asymptotes, etc.   | 15             | Mr. Palash Sadhu    |  |
|                     |          |          | Rolle's theorem, Mean value theorems, etc. up to Maxima and Minima, intermediate forms.                   | 25             | Mr. Palash Sadhu    |  |
|                     | SEM-III  | BMG3CC1C | Introduction of sets, Suprema, infima and some examples, Bolzano Weierstrass theorem and some application | 15             | Mr. Palash Sadhu    | 3 <sup>rd</sup> week of Dec. 2018      |
|                     |          |          | Sequence, some theorem and some examples  | 15             | Mr. Palash Sadhu    |  |
|                     |          |          | Series of numbers, properties, examples   | 15             | Mr. Palash Sadhu    |  |
|                     |          |          | Sequences and series of functions   | 15             | Mr. Palash Sadhu    |  |
|                     | Part III | Paper IV | Group A: Linear Programming   | 20             | Mr. Palash Sadhu    | 1 <sup>st</sup> week of December, 2018 |
|                     |          |          | Group B: Numerical Analysis   | 20             | Mr. Palash Sadhu    |  |
|                     |          |          | Group C: Computer Programming   | 20             | Mr. Palash Sadhu    |  |

**EVEN SEMESTER**

| Academic Period     | Class    | Paper    | Topic to be covered                                     | No of lectures | Name of the teacher | Date of Internal Assessment |
|---------------------|----------|----------|---|----------------|---------------------|-----------------------------|
| FEB' 19 to JUNE' 19 | SEM-II   | BMG2CC1B | 1 <sup>st</sup> order Differential equation, I.F., etc. | 10             | Mr. Palash Sadhu    | 1st week of May, 2019       |
|                     |          |          | Higher order differential equations etc.                | 10             | Mr. Palash Sadhu    |                             |
|                     |          |          | Linear homogeneous diff. eqn. etc.                      | 16             | Mr. Palash Sadhu    |                             |
|                     |          |          | Non linear P.D.E., Lagrange's method etc.               | 24             | Mr. Palash Sadhu    |                             |
|                     | SEM-IV   | BMG4CC1D | Group, properties and examples                          | 12             | Mr. Palash Sadhu    | 1st week of May, 2019       |
|                     |          |          | Subgroup, cyclic subgroup, normal subgroup etc.         | 12             | Mr. Palash Sadhu    |                             |
|                     |          |          | Rings, properties and examples etc.                     | 12             | Mr. Palash Sadhu    |                             |
|                     |          |          | Fields, properties and examples etc.                    | 12             | Mr. Palash Sadhu    |                             |
|                     | Part III | Paper IV | Group A: Linear Programming                             | 20             | Mr. Palash Sadhu    | 1st week of May,2019        |
|                     |          |          | Group B: Numerical Analysis                             | 20             | Mr. Palash Sadhu    |                             |
|                     |          |          | Group C: Computer Programming                           | 20             | Mr. Palash Sadhu    |                             |

**POLBA MAHAVIDYALAYA**  
**Implementation of Departmental Lesson Plan 2018-2019**

Name of the Department: Mathematics

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**ODD SEMESTER**

| Academic Period     | Class    | Paper    | Topic covered   | Topic not covered   | Reason for not covered | Date of Internal Assessment | Remarks |
|---------------------|----------|----------|---|---|------------------------|-----------------------------|---------|
| July' 18 to Jan' 19 | SEM-I    | BMG1CC1A | Limit and its examples, continuity, derivative, successive derivative, partial derivative, etc. Curvature, polar coordinates, etc. Tangent, normal, asymptotes, etc. Mean value theorems, etc.  | N/A   | N/A                    | 15/12/2018                  |         |
|                     | SEM-III  | BMG3CC1C | Introduction of sets, Suprema, infima and some examples, Bolzano Weierstrass theorem and some application<br>Sequence, some theorem and some examples<br>Series of numbers, properties, examples<br>Sequences and series of functions | N/A   | N/A                    | 13/12/2018                  |         |
|                     | Part III | Paper IV | N/A   | Group A: Linear Programming<br>Group B: Numerical Analysis<br>Group C: Computer Programming | No Student             | N/A                         |         |

**EVEN SEMESTER**

| Academic Quarter    | Class    | Paper    | Topic covered  | Topic not covered   | Reason for not covered | Date of Internal Assessment | Remarks |
|---------------------|----------|----------|--|---|------------------------|-----------------------------|---------|
| Feb' 19 to June' 19 | SEM-II   | BMG2CC1B | 1 <sup>st</sup> order Differential equation, I.F., etc.<br>Higher order differential equations etc. Linear homogeneous diff. eqn. etc. Non linear P.D.E., Lagrange's method etc. | N/A   | N/A                    | 16/05/2019                  |         |
|                     | SEM-IV   | BMG4CC1D | Group, properties and examples, Subgroup, cyclic subgroup, normal subgroup etc. Rings, properties and examples etc. Fields, properties and examples etc.                         | N/A   | N/A                    | 08/05/2019                  |         |
|                     | Part III | Paper IV | N/A  | Group A: Linear Programming<br>Group B: Numerical Analysis<br>Group C: Computer Programming | No Student             | N/A                         |         |

Sd/-  
HOD