

# KENDRIYA VIDYALAYA ( EMBASSY OF INDIA SCHOOL ) MOSCOW

| CLASS  | XII       | SUBJECT             | MATHEMATICS  |   |  |
|--------|-----------|---------------------|--|---|--|
| SI No. | Month     | No. of Working Days | Description ( Title of the chapter ,topics/units )                 | Suggestive Practical , MDP ,Tests & Assignments   | Suggested Methodology to be used (PBL/AIL/CCT/Experiential Learning) |
| 1      | April     | 20                  | Matrices , Determinants, Relations and Functions                   | Activities on Equivalence Relation and one-one & onto Function<br>Monthly Test                                | Connecting topic / Quoting examples from daily life. PBL             |
| 2      | May       | 22                  | Inverse Trigonometric Functions , Continuity and Differentiability | Activities on Graphs of Inverse Trigonometric Function , Logarithmic and Exponential Function<br>Monthly Test | AIL ,Drawing graphs ,CAL/TAL Using Geogebra app ,PBL                 |
| 3      | June      | 5                   | Application of Derivatives   | Activities on Maxima and Minima<br>Monthly Test   | Connecting to daily life. CAL/TAL Using Geogebra app .PBL            |
| 4      | July      | 18                  | Integrals  | Activities Integrals<br>Monthly Test  | Connecting to daily life, CAL/TAL Using Geogebra app ,PBL            |
| 5      | August    | 20                  | Integrals , Application of Integrals                               | Activities on Integrals , Application of Integrals ,<br>Monthly Test  | AIL ,Drawing diagrams ,CAL/TAL Using Geogebra app ,PBL               |
| 6      | September | 20                  | Differential Equations , Vectors                                   | Activities on Differential equations Vectors<br>Monthly Test  | Connecting to daily life , PBL                                       |
| 7      | October   | 20                  | Three Dimensional Geometry, Linear Programming , Probability       | Activities on Shortest Distance Between two Skew Lines in and Probability<br>Monthly Test                     | Using 3D model , Activity based, Daily life examples , PBL           |
| 8      | November  | 20                  | Revision for PB I  | Workout Textbook Exercises and Extra problems from Previous year Board question Papers<br>Monthly Test        | PBL  |
| 9      | December  | 10                  | PB I ,Revision for PB II   | Workout extra problems and Sample Question Papers , PB I  | PBL  |
| 10     | January   | 15                  | PB II ,Revision for Board Examination                              | Workout Extra problems and Sample Question Papers , PB II   | PBL  |
| 11     | February  | 20                  | Board Practical exam,Revision for Board Examination                | Workout Sample Question Papers  | PBL  |
| 12     | March     |                     | AISSCE 2025  |   |  |