

DELHI PUBLIC SCHOOL, JAMMU
SYLLABUS BIFURATION
SESSION- (2024-25)

CLASS-XII

SUBJECT: APPLIED MATHS

App. Maths is a branch of Mathematics that concerns itself with mathematical methods that are typically used in science, engineering, business and industry.

Applied Mathematics also describes the professional specialty in which mathematicians work on practical problems.

Objectives of theory:

- *Promote understanding of basic facts and concept in App. Maths while retaining the excitement of Mathematics.*
- *Develop problem solving skills in student*
- Acquaint student with different aspect of app. maths used in daily life.
- Develop an interest in the student to study App. Math as a discipline.

Objectives of activity:

- Developing mathematical thinking is about developing habit of mind: defining, systematizing, abstracting, making connection, developing new ways to describe situations and make predictions, creating, inventing, and experimenting.

S.No.	Month	Topic/Chapter
1.	April	Unit-1: Numbers, Quantification and Numerical Applications Foundation worksheet on NUMBERS
2.	May	Unit-2: Algebra Revision sheet (algebra) and Sample paper-1 before CT-1 of topics: (a) Matrices and determinant, (b) Boat and stream.
3.	June	Unit-4: Probability Distribution a) Revision of concept through KAHOOT quiz-1 b) Activity by using sampling method
4.	July	Unit-3(a): Differentiation and Application Checking and assessment of activity given in month of june



5.	August	Unit-3(b): Integration and Application Unit-5: Inferential Statistics Assignment-2 for revision of topics (a) Application of integration (b) Differential equation Activity on investigating graph of function for their properties
6.	September	Unit-8: Linear Programming Sample paper to give good practice to student before half-yearly
7	October	Unit-6(a): Index no. Time series Assignment-5 for revision of topics (a) Construction of index no. (b) Time series Revision of concept through Kahoot quiz
8.	November	Unit-6(b): Index no Unit-7: Financial Maths Assignment-3 for revision of topics Sample paper to give good practice to student before PB-1
9.	December	PRE BOARD –I
10.	January	1. Revision with the help of sample paper 2. Activity on population migration data
11.	February	1. Chapter-wise revision and practice of sample paper
12	March	BOARD EXAM

Syllabus of CT-1

Unit-1: Numbers, Quantification

SYLLABUS (HALF YEARLY EXAMINATION)

Unit-1: Numbers, Quantification



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Unit-2: Algebra
Unit-3(A): Differentiation and Application
Unit-3(b): Integration and Application
Unit-4: Probability Distribution
Unit-6: Index no.

PRE BOARD –I

Unit-1: Numbers, Quantification and Numerical Applications
Unit-2: Algebra
Unit-3(a): Differentiation and Application
Unit-3(b): Integration and Application
Unit-4: Probability Distribution
Unit-5: Inferential Statistics
Unit-6: Time series
Unit-7: Financial Maths
Unit-8: Linear Programming

PRE BOARD –II

Unit-1: Numbers, Quantification and Numerical Applications
Unit-2: Algebra
Unit-3(a): Differentiation and Application
Unit-3(b): Integration and Application
Unit-4: Probability Distribution
Unit-5: Inferential Statistics
Unit-6: Time series
Unit-7: Financial Maths
Unit-8: Linear Programming

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