

Class XII (PCM) Syllabus for Half Yearly Exam **(2021-22)**

Physics –

- Ch1 -Electric charge and Fields
- Ch 2- Electrostatic Potential and Capacitance
- Ch 3- Current Electricity
- Ch 4-Moving charges and Magnetism
- Ch 5-Magnetism and matter
- Ch 6-Electromagnetic Induction
- Ch 7-Alternating Current

Chemistry-

- Ch 1–Solid State
- Ch 2-Solutions
- Ch 3- Electrochemistry
- Ch 4-Chemical Kinetics
- Ch 5-Surface chemistry
- Ch 7- P-block elements
- Ch 10- Haloalkanes and Haloarenes
- Ch 11- Alcohols, Phenols and Ethers

Maths-

- Ch 1- Relation and Function
- Ch 2- Inverse Trigonometry
- Ch 3- Matrices
- Ch 4- Determinant
- Ch 5- Continuity and Differentiability
- Ch 6- Application of Derivatives
- Ch 12- Linear Programming

Comp Sc- Unit 1- Computational Thinking and Programming -2

- Revision of Python topics covered in Class XI.
- Functions: Types of function (built in functions, functions defined in module, user defined functions).

- Introduction to files, types of files (Text file, binary file, CSV file), relative and absolute paths, Python libraries: creating python libraries.
- Data structure: Stack, Operations on stack (push and pop), implementation of stack using list, Introduction to queue, operations on Queue.
- Database Concept, Structured Query Language, Relational Data Model Concepts.
- Python Interface with MySQL.

English –

- **Section A Reading Section:** Unseen Passage
- **Section B Writing Section:** Notice Writing, Advertisements, Article Writing, Letter writing
- **Section C Literature Section:**
- **Vistas-** 1-The Third level, 4-The enemy, 5-South Wizard hit Mommy
- **Flamingo** – 2-Lost spring, 3- Deep Water, 4- The Rattrap
- **Poems** – 1-My mother at Sixty Six, 2- An Elementary school Classroom in a Slum 3- Keeping Quiet