

**12th Standard
Computer
Science
Syllabus
2024-2025**

13. COMPUTER SCIENCE **Month Wise Syllabus (2024-2025)** Std.-XII

MONTH	UNIT	CHAPTER
June	I	Problem Solving Techniques 1. Function 2. Data Abstraction 3. Scoping 4. Algorithmic Strategies MONTHLY TEST (JUNE PORTION ONLY)
July	II	Core Python 5. Python – Variables and Operators 6. Control Structures 7. Python Functions FIRST MID TERM TEST & MONTHLY TEST (JUNE & JULY PORTIONS)
August	III	Modularity and Oops 8. Strings and String Manipulations 9. Lists , Tuples, Sets and Dictionary 10. Python Classes and Objects MONTHLY TEST (AUGUST PORTION ONLY)
Sep.		QUARTERLY EXAMINATION (JUNE TO SEPTEMBER PORTIONS)
Oct.	IV	Database concepts and MySql 11. Database Concepts 12. Structured Query Language (SQL) 13. Python and CSV Files 14. Importing C++ programs in Python MONTHLY TEST (OCTOBER PORTION ONLY)
Nov.	V	Integrating Python with MySql and C++ 15. Data Manipulation through SQL 16. Data Visualization using pyplot : Line Chart, Pie Chart and Bar Chart SECOND MID TERM TEST (OCTOBER & NOVEMBER PORTIONS) MONTHLY TEST (NOVEMBER PORTION ONLY)
Dec.		REVISION – HALF YEARLY EXAMINATION (ENTIRE PORTION)
Jan. & Feb.		FIRST REVISION TEST (June to September Portions) SECOND REVISION TEST (October to November Portions) TWO FULL PORTIONS AVAILABLE