

SYLLABUS (2025-2026)

CLASS: XII

SUBJECT: COMPUTER SCIENCE

TEXTBOOKS:

1. Computer Science with Python by Preeti Arora

2. NCERT

Schools may consider the following suggestions:

- Make sure you are thorough with the entire syllabus before allocating weightage.
- Please rationalize the syllabus based on the Annual Examination Schedule.
- The specific syllabus for each exam should be clearly mentioned.
- Please mention the chapters which are not meant for evaluation/assessment purpose and should be done for learning enrichment.
- Blueprint along with the weightage assigned to each chapter is to be mentioned. Also, certain topics that have been thoroughly covered in previous examinations can be assessed through revision assignments or projects. This would allow students to focus on more important chapters.
- Classes (XI-XII) subject teachers to adhere to the instructions as per the CBSE Curriculum.

EXAMINATION	UNIT/ CHAPTER / TOPIC	SUBTOPICS	WEIGHTAGE (MARKS)
HALF YEARLY	Unit 1: Computational Thinking and Programming – 2	<ul style="list-style-type: none"> • Revision of Python topics covered in Class XI. • Functions • Exception Handling • File handling • Data Structure: Stack 	20 20 02 18 10
TOTAL MARKS			70

EXAMINATION	UNIT/ CHAPTER / TOPIC	SUBTOPICS	WEIGHTAGE (MARKS)
ANNUAL	Unit 1: Computational Thinking and Programming – 2	AS ABOVE	40
	Unit 2: Computer Networks	<ul style="list-style-type: none"> • Evolution of networking • Data communication terminologies • Concept of communication • Transmission media • Network • Network topologies and Network types • Network protocol • Introduction to web services 	10
	Unit 3: Database Management	<ul style="list-style-type: none"> • Database concepts • Relational data model • Structured Query Language • Interface of Python with an SQL database 	20
TOTAL MARKS			70

NOTE: The above syllabus is for assessment purpose and remaining chapters/topics may be taught as subject-learning enrichment.