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CLASS 11

Computer Science

Chapterwise Important Questions

11 sections | 40 original questions | 2026-27

Read each chapter, attempt the questions, and support explanations with working or textbook evidence.

Choose a chapter or topic

Computer Science	
Chapter 1	Computer System
Chapter 2	Encoding Schemes and Number System
Chapter 4	Introduction to Problem Solving
Chapter 5	Getting Started with Python
Chapter 6	Flow of Control
Chapter 8	Strings
Chapter 9	Lists
Chapter 10	Tuples and Dictionaries
Chapter 11	Societal Impact
Additional CBSE Syllabus Topics	
Topic	Boolean Logic
Topic	Python Modules

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CHAPTER 1

Computer System

Computer Science

1. Compare primary memory with secondary storage.
2. Explain the roles of the ALU and control unit.
3. Distinguish RAM from ROM.
4. Describe how input, processing, storage and output work together in a billing task.

CHAPTER 2

Encoding Schemes and Number System

Computer Science

1. Convert binary 101101 to decimal.
2. Convert decimal 45 to binary and hexadecimal.
3. Explain why Unicode is needed in addition to a limited character set such as ASCII.
4. Distinguish a bit, byte and character.

CHAPTER 4

Introduction to Problem Solving

Computer Science

1. Write an algorithm to find the largest of three input numbers.
2. Distinguish a syntax error from a logical error.

CHAPTER 5

Getting Started with Python

Computer Science

1. Explain why input conversion may be needed before numerical calculation.
2. Trace the values of a and b after a=3; b=a; a=7.

CHAPTER 6

Flow of Control

Computer Science

1. Write a program to print all multiples of 3 from 1 to 30.
2. Explain how break differs from continue.
3. Write a loop to calculate the factorial of a non-negative integer.
4. Trace a loop that adds integers from 1 to 5 and state the final sum.

CHAPTER 8

Strings

Computer Science

1. For s='COMPUTER', find the results of s[1:5] and s[::-1].
2. Write a program to count vowels in a string.
3. Explain why strings are immutable.
4. Compare find() with index() when a substring is absent.

CHAPTER 9

Lists

Computer Science

1. Write a linear search for an item in a list.
2. Compare append() and extend() using a small example.

CHAPTER 10

Tuples and Dictionaries

Computer Science

1. Explain the difference between list mutability and tuple immutability.
2. Write a program to find the mean of numeric values stored in a non-empty tuple.
3. Build a dictionary counting each character in a string.
4. Explain why dictionary keys must be suitable for hashing.
5. Distinguish d[key] from d.get(key) when the key is absent.
6. Write a loop that prints each student name and score from a dictionary.

CHAPTER 11

Societal Impact

Computer Science

1. Distinguish privacy from security.
2. Explain the purpose of an open-source licence.
3. Describe responsible electronic-waste disposal.
4. How can an online action leave a digital footprint even after the visible post is removed?

SYLLABUS TOPIC

Boolean Logic

Additional CBSE Syllabus Topics

1. Construct the truth table of NOT(A AND B).
2. Verify a De Morgan law using a truth table.
3. Explain the difference between inclusive OR and exclusive OR.
4. Simplify A AND true and A OR false and explain the results.

SYLLABUS TOPIC

Python Modules

Additional CBSE Syllabus Topics

1. Explain the difference between importing a module and importing a named function from it.
2. Use the math module to calculate a square root and a ceiling value.
3. Explain why a module should not be given the same filename as a standard module it imports.
4. Describe the difference between a module's name and a variable defined inside it.

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