

DELHI PUBLIC SCHOOL, JAMMU

Session : 2025-2026

SUBJECT: Computer Science (083)

Class: XI

Syllabus Bifurcation

OBJECTIVES:

To produce programmers equipped with an understanding of

- 1. Ability to Understand the basic of Computer System.**
- 2. To understand the Architecture of a system, Operating System, and its importance.**
- 3. Attitudes and working practices appropriate use of Utility Software.**
- 4. Apply the concept of Data Representation**
- 5. Ability to convert decimal number to different Number Systems.**

Make use of the concept of efficiency in algorithms and computing in general.

<u>S.no</u>	<u>Month</u>	<u>Name of the Lesson/Topic</u>
1	April	Computer System Organisation <ul style="list-style-type: none">• Assignment/Foundation Worksheet to assess the previous knowledge.
2	May	<ul style="list-style-type: none">• Data Representation and Boolean Logic• Python Programming Fundamentals• Revision Sheet on the related topic
3	July	Conditional and Looping Constructs <ul style="list-style-type: none">• Class Test to be conducted for revision purpose.
4	August	String in Python <ul style="list-style-type: none">• Performing the Practical Test for the related topic.
5	September	Lists in Python <ul style="list-style-type: none">• Kahoot Quiz Activity
6	October	Tuples and Dictionary <ul style="list-style-type: none">• Assignment/Foundation Worksheet to assess the previous knowledge.
7	November	Introduction to Python Module <ul style="list-style-type: none">• Revision Test through Assignments
8	December	Society, Law and Ethics -Cyber Safety, Cyber crime, data <ul style="list-style-type: none">• Kahoot Quiz Activity
9	January	More Examples on using Strings, Lists & Tuples in Python
10	February	Revision/Doubt clearing session

EXAM SCHEDULE

Syllabus for Cycle Test-I

- Computer System Organisation
- Data Representation and Boolean Logic

Syllabus for Half Yearly Examination

- Computer System Organisation
- Data Representation and Boolean Logic

- Python Programming Fundamentals
- Conditional and Looping Constructs
- String in Python

Syllabus for Cycle Test -II

- Lists in Python
- Tuples and Dictionary

Syllabus for Final Examination

- Computer System Organisation
- Data Representation and Boolean Logic
- Python Programming Fundamentals
- Conditional and Looping Constructs
- String in Python
- Lists in Python
- Tuples and Dictionary
- Introduction to Python Module
- Society, Law and Ethics

(SUBJECT COORDINATOR)

DELHI PUBLIC SCHOOL, JAMMU

Session : 2025-2026

SUBJECT: INFORMATICS PRACTICES (065)

Class: XI

OBJECTIVES:

To produce programmers equipped with an understanding of

- 1. Ability to Understand the basic of Computer System.**

2. To understand the Architecture of a system, Operating System, and its importance.
3. Attitudes and working practices appropriate use of Basics of Python programming.
4. Apply the concept of Data types
5. Ability to Debug the Python statements.

Syllabus Bifurcation

<u>S.no</u>	<u>Month</u>	<u>Name of the Lesson/Topic</u>
1	April	Computer System Organisation, Computer Memory <ul style="list-style-type: none"> • Assignment/Foundation Worksheet to assess the previous knowledge.
2	May	Computer Software, Getting started with Python <ul style="list-style-type: none"> • Revision Sheet on the related topic
3	July	Basics of Python Programming , Data types and Debugging <ul style="list-style-type: none"> • Class Test to be conducted for revision purpose.
4	August	Control Statements, Lists in Python <ul style="list-style-type: none"> • Performing the Practical Test for the related topic.
5	September	Dictionary in Python <ul style="list-style-type: none"> • Kahoot Quiz Activity
6	October	Database management System <ul style="list-style-type: none"> • Assignment/Foundation Worksheet to assess the previous knowledge.
7	November	SQL (Structured Query Language) <ul style="list-style-type: none"> • Revision Test through Assignments
8	December	Emerging Trends <ul style="list-style-type: none"> • Kahoot Quiz Activity
9	January	More Examples on using SQL, Lists & Dictionaries in Python
10	February	Revision/Doubt clearing session

EXAM SCHEDULE

Syllabus for Cycle Test-I

- Computer System Organisation , Computer Memory
- Computer Software

Syllabus for Half Yearly Examination

- CHAPTER1. Computer System Organisation , Computer Memory, Computer Software
- CHAPTER2. Getting started with Python
- CHAPTER3. Basics of Python Programming Fundamentals.(Data types and Debugging)
- CHAPTER4. Control & Looping Statements.
- CHAPTER5. Lists in Python

Syllabus for Cycle Test -II

- Control Statements, Lists in Python
- Database management System

Syllabus for Final Examination

- Computer System Organisation , Computer Memory
- Computer Software
- Getting started with Python
- Basics of Python Programming
- Data types and Debugging
- Control Statements, Lists in Python
- Dictionary in Python
- Database management System
- SQL
- Emerging Trends

(SUBJECT COORDINATOR)