

DELHI PUBLIC SCHOOL, JAMMU

Session : 2024-2025

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)