# Sir Padampat Singhania Education Centre
## *Kamla Nagar, Kanpur*

# Lesson Plan
## *Session 2025- 2026*
# Class: _XI_

**Subject**               : **IP**
**Book**                    : **IP BY DHANPAT RAI PUBLICATION**


**Subject Coordinator**                    **Head of Department**
Name:     Ms. Richi Sharma                  Name: Ms. Richi Sharma

Sign:                                        Sign:

# Sir Padampat Singhania Education Centre
## Kamla Nagar, Kanpur

### Yearly Syllabus/Planning overview
### Session: 2025 - 2026

Subject        : _____IP_____          Class : _XI__**No. of periods        : ___**

| Month | Assessed in | Lesson/s to be covered | Period Count |
|-------|-------------|------------------------|--------------|
| April | April | Database Concepts: Introduction to database concepts and its need. Database Concepts: Introduction to database concepts and its need, Database Management System. Relational data model: concept of attribute, domain, tuple, relation, candidate key, primary key, alternate key, foreign key. Structured Query Language: Data Definition Language, Data Query Language and Data Manipulation, Language, Introduction to MySQL: Creating a database, using database, showing tables using MySQL, Data Types : char, varchar, int, float, date | 20 |
| May | May | Data Query Commands: SELECT-FROM- WHERE, LIKE, BETWEEN, IN, ORDER BY, using arithmetic, logical, relational operators and NULL values in queries, Distinct clause Introduction to PythonBasics of Python programming, Python interpreter - interactive and script mode, the structure of a program,indentation, identifiers, keywords, constants, variables, | 17+17 |
| June | July | Revise SQL | … |
| July | July | types of operators, precedence of operators, data types, mutable and immutable data types, statements, expressions, evaluation of expressions, comments, input and output statements.data type conversion, debugging, control statements: if-else, for loop | 17 |
| August | August | data type conversion, debugging, control statements: if-else, for loop and while loop. | 16+18 |
| September | September | Lists: list operations - creating, initializing, traversing and manipulating lists, list methods and built-in functions.: len(), list(), append(), extend(), insert(), count(), find(), remove(), pop(), reverse(), sort(), sorted(), min(), max(), sum() | 19 |
| October | October | Data Manipulation Commands: INSERT, UPDATE, DELETE. DROP | 28 |
| November | November | Single row functions in SQL | 28 |
| December | December | Dictionary: concept of key-value pair, creating, initializing, traversing, updating and deleting elements, dictionary methods and built-in functions: len(), dict(), keys(), values(), items(), get(), update(), clear(), del() | 15 |

| | | | |
|---|---|---|---|
| January | January | Introduction to the Emerging Trends<br>Artificial Intelligence, Machine Learning, Natural Language Processing, Immersive experience (AR, VR),<br>Robotics, Big data and its characteristics, Internet of Things (IoT), Sensors, Smart cities, Cloud Computing<br>and Cloud Services (SaaS, IaaS, PaaS); Grid Computing, Block chain technology. | |
| February | | Revision | |
| March | | Revision and ANNUAL EXAM | |
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Subject coordinator:                                      HOD:

# Sir Padampat Singhania Education Centre

## *Kamla Nagar, Kanpur*
## Monthly Syllabus/Planning overview
### Session: 2025 - 2026

**Subject** : _____IP_____**Class** : _XII__        **No. of periods** : ___

| Month | Date/Week | | Lesson/s to be covered in classroom | Period Count |
|---|---|---|---|---|
| | **From** | **To** | | |
| April | Apr 16, 2025 | Apr 30, 2025 | Database Concepts: Introduction to database concepts and its need, Database Concepts continued……<br><br>Relational data model: concept of attribute, domain, tuple, relation, candidate key, primary key, alternate key, foreign key. Structured Query Language: Data Definition Language, Data Query Language and Data Manipulation, Language, Introduction to MySQL: Creating a database, using database, showing tables using MySQL,<br>Data Types : char, varchar, int, float, date | 20 |
| May | May 1, 2025 | May 31, 2025 | Data Query Commands: SELECT-FROM- WHERE, LIKE, BETWEEN, IN, ORDER BY, using arithmetic, logical, relational operators and NULL values in queries, Distinct clause<br>Introduction to PythonBasics of Python programming, Python interpreter - interactive and script mode, the structure of a program,indentation, identifiers, keywords, constants, variables, | 17 |
| June | June 27, 2025 | June 30, 2025 | Revise SQL | 17 |
| July | July 1, 2025 | July 31, 2025 | types of operators, precedence of operators, data types, mutable and immutable data types, statements, expressions, evaluation of expressions, comments, input and output statements.data type conversion, debugging, control statements: if-else, for loop | …. |
| August | Aug 1, 2025 | Aug 31, 2025 | data type conversion, debugging, control statements: if-else, for loop and while loop. | 16+18 |
| September | Sep 1, 2025 | Sep 30, 2025 | Lists: list operations - creating, initializing, traversing and manipulating lists, list methods and built-in functions.: len(), list(), append(), extend(), insert(), count(), find(), remove(), pop(), reverse(), sort(), sorted(),<br>min(), max(), sum() | 19 |
| October | Oct 1, 2025 | Oct 31, 2025 | Data Manipulation Commands: INSERT, UPDATE, DELETE.<br>DROP | 28 |
| November | Nov 1, 2025 | Nov 30, 2025 | Single row functions in SQL | 28 |

| | | | | |
|---|---|---|---|---|
| December | Dec 1, 2025 | Dec 31, 2025 | Dictionary: concept of key-value pair, creating, initializing, traversing, updating and deleting elements,<br>dictionary methods and built-in functions: len(), dict(), keys(), values(), items(), get(), update(), clear(), del() | |
| January | Jan 5, 2026 | Jan 31, 2026 | Introduction to the Emerging Trends<br>Artificial Intelligence, Machine Learning, Natural Language Processing, Immersive experience (AR, VR),<br>Robotics, Big data and its characteristics, Internet of Things (IoT), Sensors, Smart cities, Cloud Computing and Cloud Services (SaaS, IaaS, PaaS); Grid Computing, Block chain technology. | |
| February | Feb 1, 2026 | Feb 29, 2026 | Revision | |
| March | Mar 1, 2026 | Mar 31, 2026 | Revision and ANNUAL EXAM | |
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Subject coordinator:                                          HOD:

incipal/V. Principal

# Sir Padampat Singhania Education Centre

## Kamla Nagar, Kanpur

### Weekly planning overview
**Session: 2025   - 2026**

**Subject      :  _____IP_____          Class : _XI__      No. of periods      : ___**

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _3_ : _16/04/2025_ to_19 /04/2025_** | | **Period Count: __5__** | |
| PD1 | HOLIDAY | Revise | |
| PD2 | Database Concepts: Introduction to database concepts and its need | | |
| PD3 | Database Concepts continued,,,,, | | |
| PD4 | Database Management System. Relational data model: concept of attribute, domain, tuple, relation | | |
| PD5 | HOLIDAY | | |
| PD6 | Practice | | |
| **WEEK _4_ : __21/04/2025_ to__26/04/2025__** | | **Period Count: __6__** | |
| PD1 | candidate key, primary key, alternate key, foreign key. | | |
| PD2 | Structured Query Language: Data Definition Language, Data Query Language and Data Manipulation, Language | Revise | |
| PD3 | Introduction to MySQL: Creating a database, using database, showing tables using MySQL | | |
| PD4 | HOLIDAY | Revise | |
| PD5 | Lab | | |
| PD6 | Lab | | |

# *Sir Padampat Singhania Education Centre*

## *Kamla Nagar, Kanpur*

## **Weekly planning overview**
### **Session: 2025   - 2026**

**Subject**       : _____IP_____        **Class** : _XI_      **No. of periods**      : ___

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _5_: _28/04/2025_ to_03/05/2025__** | | **Period Count: _6___** | |
| PD1 | Data Types : char, varchar, int, float, date | Revise | |
| PD2 | Data Query Commands: SELECT-FROM-WHERE | | |
| PD3 | HOLIDAY | | |
| PD4 | Data Query Commands: SELECT-FROM-WHERE continued | | |
| PD5 | Lab | | |
| PD6 | Lab | | |
| **WEEK _6_: _05/05/2025_ to__10/05/2025__** | | **Period Count: __5_** | |
| PD1 | LIKE, BETWEEN, IN, ORDER BY | | |
| PD2 | using arithmetic, logical, relational operators and NULL values in queries, Distinct clause | | |
| PD3 | Data Query Commands: SELECT-FROM-WHERE, LIKE, BETWEEN, IN, ORDER BY, using arithmetic, logical, relational operators and NULL values in queries, Distinct clause | | |
| PD4 | Lab | | |
| PD5 | Lab | | |

| PD6 | Photoelectric effect and its Numericals | IP BY DHANPAT RAI PUBLICATION Questions | |
|---|---|---|---|

Subject coordinator           Supervisor           Principal/V. Principal

# *Sir Padampat Singhania Education Centre*

## *Kamla Nagar, Kanpur*

## **Weekly planning overview**
### Session: 2025   - 2026

**Subject**      : _____IP_____      **Class** : _XI_      **No. of periods**      : ___

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _7_: __12/05/2023__ to__17/05/2023___** | | **Period Count: __5_** | |
| PD1 | HOLIDAY | | |
| PD2 | Basics of Python programming, Python interpreter - interactive and script mode, the structure of a program, | Revise | |
| PD3 | Lab | | |
| PD4 | indentation, identifiers, keywords, constants, variables, types of operators, precedence of operators | | |
| PD5 | Data types, mutable and immutable data types, statements, expressions, evaluation of expressions, comments, input and output statements, data type conversion | Revise | |
| PD6 | Lab | | |
| **WEEK _8_: __19/05/2025_ to_24/05/2025__** | | **Period Count: __6__** | |
| PD1 | Basic Programming introduction in Python | | |
| PD2 | Basic Programming introduction in Python | Revise at Home | |
| PD3 | Basic Programming introduction in Python | Revise at Home | |
| PD4 | Lab | | |

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| PD5 | Lab | | |
| PD6 | Lab | | |

Subject coordinator          Supervisor          Principal/V. Principal

# *Sir Padampat Singhania Education Centre*

## *Kamla Nagar, Kanpur*

### Weekly planning overview
### Session: 2025    - 2026

**Subject**     : _____IP_____        **Class** : _XI__**No. of periods: __3_**

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _9_: __26/05/2025__ to___30/05/2025___** | | | **Period Count: __4__** |
| PD1 | Data Handling | | |
| PD2 | Data Handling Contd…. | | |
| PD3 | Lab Session | | |
| PD4 | Lab | | |
| PD5 | SUMMER BREAK | | |
| PD6 | SUMMER BREAK | | |
| **WEEK _10_: __3/06/2025__ to___08/06/2025__** | | | **Period Count: _6___** |
| PD1 | SUMMER BREAK | | |
| PD2 | SUMMER BREAK | | |
| PD3 | SUMMER BREAK | | |
| PD4 | SUMMER BREAK | | |

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| PD5 | SUMMER BREAK | | |
| PD6 | SUMMER BREAK | | |

Subject coordinator       Supervisor       Principal/V. Principal

# Sir Padampat Singhania Education Centre

## *Kamla Nagar, Kanpur*

## Weekly planning overview
### Session: 2025  - 2026

**Subject** : ____IP_____      **Class** : _XI__**No. of periods** : ___

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _11_: __10/06/2025__ to___15/06/2025__** | | | **Period Count: _6___** |
| PD1 | SUMMER BREAK | | |
| PD2 | SUMMER BREAK | | |
| PD3 | SUMMER BREAK | | |
| PD4 | SUMMER BREAK | | |
| PD5 | SUMMER BREAK | | |
| PD6 | SUMMER BREAK | | |
| **WEEK _12_: __17/06/2025__ to__22/06/2025__** | | | **Period Count: __6__** |
| PD1 | SUMMER BREAK | | |
| PD2 | SUMMER BREAK | | |
| PD3 | SUMMER BREAK | | |
| PD4 | SUMMER BREAK | | |

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| PD5 | SUMMER BREAK | | |
| PD6 | SUMMER BREAK | | |

Subject coordinator                    Supervisor                    Principal/V. Principal

# *Sir Padampat Singhania Education Centre*

## *Kamla Nagar, Kanpur*

### **Weekly planning overview**
**Session: 2025    - 2026**

**Subject        : _____IP_____                    Class : _XI__No. of periods        : ___**

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _13_: ___24/06/2025__ to__29/06/2025__** | | | **Period Count: __5__** |
| PD1 | SUMMER BREAK | | |
| PD2 | SUMMER BREAK | | |
| PD3 | SUMMER BREAK | | |
| PD4 | SUMMER BREAK | | |
| PD5 | SUMMER BREAK | | |
| PD6 | SUMMER BREAK | | |
| **WEEK _14_: _01/07/2025__ to__05/07/2025___** | | | **Period Count: ___6_** |
| PD1 | Introduction to if statement | Revise | |
| PD2 | if statement continued | | |
| PD3 | Programs on if statement | Revise | |
| PD4 | Lab | Revise | |

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| PD5 | Lab | | |
| PD6 | Lab Session | Revise | |

# *Sir Padampat Singhania Education Centre*

## *Kamla Nagar, Kanpur*

### **Weekly planning overview**
### **Session: 2025   - 2026**

**Subject**     : ____IP_____       **Class :** _XI__     **No. of periods**     : ___

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _15_: __7/07/2025___ to__12/07/2025__** | | | **Period Count: _5___** |
| PD1 | Practice questions on if statement | Revise | |
| PD2 | Lab Session | | |
| PD3 | Lab Session | Revise | |
| PD4 | Introduction to loops in python | | |
| PD5 | Lab | | |
| PD6 | HOLIDAY | Revise | |
| **WEEK _16_: __14/07/2025___ to__19/07/2025__** | | | **Period Count: __5__** |
| PD1 | for loop | Revise | |
| PD2 | For loop | | |
| PD3 | HOLIDAY | | |
| PD4 | Revision | Revise at Home | |

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| PD5 | Revision | Revise at Home | |
| PD6 | Programs on for loop | Revise | |

Subject coordinator          Supervisor          Principal/V. Principal

# *Sir Padampat Singhania Education Centre*

## *Kamla Nagar, Kanpur*

**Weekly planning overview**
**Session: 2025    - 2026**

**Subject      : __IP_____          Class : _XI_          No. of periods     : ___**

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _17_: __21/07/2025__ to__26/07/2025__** | | **Period Count: __6__** | |
| PD1 | Lab Session | Revise | |
| PD2 | Lab Session | | |
| PD3 | Introduction to While Loop | | |
| PD4 | While Loop cont…. | | |
| PD5 | Lab | Revise | |
| PD6 | Lab | | |
| **WEEK _18_: __28/07/2025__ to_03/08/2025__** | | **Period Count: __6__** | |
| PD1 | While loop programs | Revise | |
| PD2 | While loop programs | | |
| PD3 | While loop programs | | |
| PD4 | Lab | Revise | |

| PD5 | Lab | | |
| --- | --- | --- | --- |
| PD6 | LAB | Revise | |

Subject coordinator                        Supervisor                     Principal/V. Principal

# *Sir Padampat Singhania Education Centre*

## *Kamla Nagar, Kanpur*

## **Weekly planning overview**
### **Session: 2025    - 2026**

**Subject**      : __IP        **Class :** _XI_           **No. of periods**     : ___

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
| --- | --- | --- | --- |
| **WEEK _19_: __05/08/2025__ to__9/08/2025___** | | | **Period Count: _5__** |
| PD1 | Nested loops introduction | Revise | |
| PD2 | Nested Loops continued | | |
| PD3 | Programs on nested Loops | | |
| PD4 | Programs on nested Loops | Revise | |
| PD5 | Lab | | |
| PD6 | HOLIDAY | Revise | |
| **WEEK _20_: _12/08/2025__ to__17/08/2025___** | | | **Period Count: _5___** |
| PD1 | Output based questions | Revise | |
| PD2 | Output based questions | | |
| PD3 | Lab | Revise | |
| PD4 | HOLIDAY | | |

| | | | |
|---|---|---|---|
| PD5 | HOLIDAY | | |
| PD6 | Lab | | |

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Subject coordinator                    Supervisor                    Principal/V. Principal

# *Sir Padampat Singhania Education Centre*

## *Kamla Nagar, Kanpur*

### **Weekly planning overview**
**Session: 2025    - 2026**

**Subject        :  _____IP _____                Class : _XI_            No. of periods      : ___**

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _21_: _19/08/2025__ to__24/08/2025__** | | | **Period Count: _5___** |
| PD1 | Programs discussed | | |
| PD2 | Programs discussed | | |
| PD3 | Programs discussed | | |
| PD4 | Lab | | |
| PD5 | Lab | | |
| PD6 | Lab | | |
| **WEEK _22_: ___26/08/2025____ to__31/08/25__** | | | **Period Count: _5___** |
| PD1 | HOLIDAY | | |
| PD2 | Output based questions | | |
| PD3 | Output based questions | Revise | |
| PD4 | Output based questions | | |

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| PD5 | Output based questions | Revise | |
| PD6 | Output based questions on list | | |

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Subject coordinator            Supervisor           Principal/V. Principal

# Sir Padampat Singhania Education Centre

## *Kamla Nagar, Kanpur*

## **Weekly planning overview**
### **Session: 2025    - 2026**

**Subject**    : __IP _____    **Class** : _XI_    **No. of periods**  : ___

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _23_: __01/09/2025___ to___06/09/2025___** | | | **Period Count: __5__** |
| PD1 | Lists: list operations - creating, initializing | Revise | |
| PD2 | Lab | | |
| PD3 | traversing and manipulating lists | | |
| PD4 | Lab | | |
| PD5 | Programs on List to be discussed | Revise | |
| PD6 | Lab | | |
| **WEEK _24_: ___8/09/2025___ to___13/09/2025___** | | | **Period Count: _5__** |
| PD1 | list methods and built-in functions.: len(), list(), append() | | |
| PD2 | , extend(), insert(), count(), find(), remove(), pop(), reverse() | | |
| PD3 | sort(), sorted(), min(), max(), sum() | Revise | |
| PD4 | Lab | | |

| | | | |
|---|---|---|---|
| PD5 | Lab | | |
| PD6 | HOLIDAY | | |

Subject coordinator                    Supervisor                    Principal/V. Principal

# *Sir Padampat Singhania Education Centre*

## *Kamla Nagar, Kanpur*

### **Weekly planning overview**
**Session: 2025    - 2026**

**Subject      : __IP          Class : _XI_            No. of periods     : ___**

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _25_: _15/09/2025___ to___20/09/2025__** | | **Period Count: _6___** | |
| PD1 | Revision | | |
| PD2 | HALF YEARLY EXAMINATION | | |
| PD3 | HALF YEARLY EXAMINATION | | |
| PD4 | HALF YEARLY EXAMINATION | | |
| PD5 | HALF YEARLY EXAMINATION | | |
| PD6 | HALF YEARLY EXAMINATION | | |
| **WEEK _26_: __22/09/2025__ to__27/09/2025___** | | **Period Count: ___5_** | |
| PD1 | HALF YEARLY EXAMINATION | | |
| PD2 | HALF YEARLY EXAMINATION | | |
| PD3 | HALF YEARLY EXAMINATION | | |
| PD4 | HALF YEARLY EXAMINATION | | |

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| PD5 | HALF YEARLY EXAMINATION | | |
| PD6 | HALF YEARLY EXAMINATION | Revise | |

Subject coordinator          Supervisor          Principal/V. Principal

# *Sir Padampat Singhania Education Centre*

## *Kamla Nagar, Kanpur*

### **Weekly planning overview**
**Session: 2025 - 2026**

**Subject** : __IP       **Class** : _XI_       **No. of periods** : ___

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _27_: __29/9/2025___ to__04/10/2025__** | | **Period Count: __5__** | |
| PD1 | Introduction to Update command | Practise | |
| PD2 | HOLIDAY | | |
| PD3 | HOLIDAY | | |
| PD4 | HOLIDAY | Revise | |
| PD5 | Practice Questions on Update | Revise | |
| PD6 | Lab | | |
| **WEEK _28_: __06/10/2025__ to__11/10/2025___** | | **Period Count: _4___** | |
| PD1 | Output based questions | | |
| PD2 | Output based questions | | |
| PD3 | ALTER command | | |
| PD4 | ALTER continued | Revise | |

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| PD5 | HOLIDAY | | |
| PD6 | HOLIDAY | | |

Subject coordinator        Supervisor        Principal/V. Principal

# Sir Padampat Singhania Education Centre

## *Kamla Nagar, Kanpur*

### **Weekly planning overview**
**Session: 2025 - 2026**

**Subject** : __IP     **Class** : _XI_     **No. of periods** : ___

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _29_: __13/10/2025_ to_18/10/2025___** | | **Period Count: _6___** | |
| PD1 | Lab Exercise on ALTER | Revise | |
| PD2 | Lab Exercise on ALTER | Practise | |
| PD3 | Lab Exercise on ALTER | Revise | |
| PD4 | Lab Exercise on ALTER | Practise | |
| PD5 | Lab Exercise on ALTER | Practise | |
| PD6 | DELETE command | Practise | |
| **WEEK _30_: __20/10/2025_ to___25/10/2026__** | | **Period Count: ___6_** | |
| PD1 | HOLIDAY | | |
| PD2 | HOLIDAY | | |
| PD3 | HOLIDAY | | |
| PD4 | HOLIDAY | | |

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| PD5 | DROP Command | Revise | |
| PD6 | DROP Command | Practise | |

Subject coordinator         Supervisor         Principal/V. Principal

# *Sir Padampat Singhania Education Centre*

## *Kamla Nagar, Kanpur*

## **Weekly planning overview**
### **Session: 2025  - 2026**

**Subject**    : __IP      **Class** : _XI__      **No. of periods**    : ___

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _31_: __27/10/2025___ to___01/11/2025__** | | | **Period Count: _1__** |
| PD1 | Introduction to Single row functions | Revise | |
| PD2 | HOLIDAY | | |
| PD3 | HOLIDAY | | |
| PD4 | HOLIDAY | | |
| PD5 | HOLIDAY | | |
| PD6 | HOLIDAY | | |
| **WEEK _32_: __03/11/2025__ to__8/11/2025___** | | | **Period Count: _4___** |
| PD1 | String functions | Practise | |
| PD2 | String functions | Revise | |
| PD3 | HOLIDAY | | |
| PD4 | String functions | Practise | |

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| PD5 | Lab | Learn | |
| PD6 | Lab | Revise | |

Subject coordinator              Supervisor             Principal/V. Principal

# *Sir Padampat Singhania Education Centre*

## *Kamla Nagar, Kanpur*

### Weekly planning overview
### Session: 2025 - 2026

**Subject**    : IP        **Class :** ___        **No. of periods**    : ___

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _33_: __10/11/2025___ to__15/11/2025___** | | | **Period Count: __6** |
| PD1 | Math Functions | Practise | |
| PD2 | Math Functions | Revise | |
| PD3 | Math Functions | Practise | |
| PD4 | Math Functions | Revise | |
| PD5 | Lab | Practise | |
| PD6 | Lab | Practise | |
| **WEEK _34_: __17/11/2025__ to__22/11/2025__** | | | **Period Count: _6_** |
| PD1 | Date and Time Functions | | |
| PD2 | Date and Time Functions | | |
| PD3 | Date and Time Functions | Revise | |
| PD4 | Date and Time Functions | Revise | |

| | | | |
|---|---|---|---|
| PD5 | Lab | | |
| PD6 | Lab | | |

# *Sir Padampat Singhania Education Centre*

## *Kamla Nagar, Kanpur*

### Weekly planning overview
### Session: 2025    - 2026

**Subject**     : _____ IP _____      **Class :** _XI_      **No. of periods**    : ___

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| WEEK _35_: __24/11/2025___ to___29/11/2025__ | | | Period Count: _6___ |
| PD1 | HOLIDAY | | |
| PD2 | Output Based Questions | Revise | |
| PD3 | Lab Session | | |
| PD4 | Problem Solving | | |
| PD5 | Problem Solving | | |
| PD6 | Problem Solving | | |
| WEEK _36_: __1/12/2025___ to__06/12/2025___ | | | Period Count: _6___ |
| PD1 | Dictionary: concept of key-value pair, creating dictionary | | |
| PD2 | Lab | | |
| PD3 | Lab | | |
| PD4 | initializing, traversing, updating and deleting elements, | | |

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| PD5 | Lab | | |
| PD6 | Lab | | |

Subject coordinator           Supervisor           Principal/V. Principal

# *Sir Padampat Singhania Education Centre*

## *Kamla Nagar, Kanpur*

## **Weekly planning overview**
### **Session: 2025    - 2026**

**Subject**    : IP        **Class :** _XI_        **No. of periods**    : ___

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _37_: __8/12/2025___ to__13/12/2025____** | | | **Period Count: _6___** |
| PD1 | dictionary methods and built-in functions: len(), dict(), keys() | | |
| PD2 | Lab | | |
| PD3 | Lab | | |
| PD4 | values(), items(), get(), update(), clear(), del() | | |
| PD5 | Lab | | |
| PD6 | Lab | | |
| **WEEK _38_: _15/12/2025__ to__20/12/2025___** | | | **Period Count: __6__** |
| PD1 | Back Exercise questions to be solved | | |
| PD2 | Back Exercise questions to be solved | | |
| PD3 | Back Exercise questions to be solved | | |
| PD4 | Lab | | |

| | | | |
|---|---|---|---|
| PD5 | Output Based Questions | | |
| PD6 | Output Based Questions | | |

Subject coordinator                         Supervisor                        Principal/V. Principal

PD6

# *Sir Padampat Singhania Education Centre*

## *Kamla Nagar, Kanpur*

### **Weekly planning overview**
**Session: 2025 - 2026**

**Subject** : ____ IP          **Class** : _XI_          **No. of periods** : ___

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _39_: ___22/12/2025__ to___27/12/2025___** | | | **Period Count: __4__** |
| PD1 | Introduction to the Emerging Trends | | |
| PD2 | Artificial Intelligence, Machine Learning, Natural Language Processing, | | |
| PD3 | Immersive experience (AR, VR), | | |
| PD4 | HOLIDAY | | |
| PD5 | Lab | Learn at Home | |
| PD6 | Lab | Learn at Home | |
| **WEEK _40_: __29/12/2025___ to___03/01/2026__** | | | **Period Count: _1___** |
| PD1 | HOLIDAY | | |
| PD2 | HOLIDAY | | |
| PD3 | HOLIDAY | | |
| PD4 | HOLIDAY | | |
| PD5 | HOLIDAY | | |
| PD6 | HOLIDAY | | |

Subject coordinator                    Supervisor                    Principal/V. Principal

# Sir Padampat Singhania Education Centre

## Kamla Nagar, Kanpur

### Weekly planning overview
**Session: 2025-    - 2026**

**Subject** : IP          **Class** : _XII_          **No. of periods** : ___

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _41_: _05/01/2026__ to__10/01/2026___** | | | **Period Count: ___5** |
| PD1 | Robotics, Big data and its characteristics | | |
| PD2 | Internet of Things (IoT), Sensors | | |
| PD3 | Smart cities, Cloud Computing | | |
| PD4 | Cloud Services (SaaS, IaaS, PaaS); | | |
| PD5 | Grid Computing, Block chain technology | | |
| PD6 | HOLIDAY | | |
| **WEEK _42_: __12/01/2026___ to___17/01/2026___** | | | **Period Count: __4__** |
| PD1 | Solving Worksheet | Learn at Home | |
| PD2 | Solving Worksheet | Practise | |
| PD3 | Solving Worksheet | | |
| PD4 | Solving Worksheet | Learn at Home | |
| PD5 | Solving Worksheet | Learn at Home | |
| PD6 | Solving Worksheet | Learn at Home | |

Subject coordinator                    Supervisor                    Principal/V. Principal

# *Sir Padampat Singhania Education Centre*

## *Kamla Nagar, Kanpur*

### **Weekly planning overview**
**Session: 2025    - 2026**

**Subject** : IP      **Class** : _XI_      **No. of periods** : ___

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|--------|-----------------------------------|----------|-------------------------------|
| **WEEK _43_: ___19/01/2026___ to__24/01/2026___** | | | **Period Count: _6__** |
| PD1 | Python Lab | Learn at Home | |
| PD2 | Python Lab | | |
| PD3 | Python Lab | Learn at Home | |
| PD4 | Python Lab | Learn at Home | |
| PD5 | Python Lab | Learn at Home | |
| PD6 | Python Lab | Learn at Home | |
| **WEEK _44_: __26/01/2026__ to_31/01/2026__** | | | **Period Count: _6___** |
| PD1 | Holiday | | |
| PD2 | Revision | Learn at Home | |
| PD3 | Revision | Learn at Home | |
| PD4 | Revision | Learn at Home | |
| PD5 | Revision | Learn at Home | |
| PD6 | Revision | | |

Subject coordinator        Supervisor        Principal/V. Principal

# Sir Padampat Singhania Education Centre

## Kamla Nagar, Kanpur

### Weekly planning overview
**Session: 2025     - 2026**

**Subject      :** IP          **Class :** _XI_          **No. of periods      : ___**

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|--------|-----------------------------------|----------|-------------------------------|
| **WEEK _45_: __02/02/2026__ to__07/04/2026__** | | | **Period Count: __5_** |
| PD1 | Revision | | |
| PD2 | Revision | | |
| PD3 | Revision | | |
| PD4 | Revision | | |
| PD5 | Revision | | |
| PD6 | HOLIDAY | | |
| **WEEK _46_: _9/02/2026___ to__14/02/2026___** | | | **Period Count: _5___** |
| PD1 | Revision | | |
| PD2 | Revision | | |
| PD3 | Revision | | |
| PD4 | Revision | | |
| PD5 | Revision | | |
| PD6 | Revision | | |

Subject coordinator                    Supervisor                    Principal/V. Principal

# Sir Padampat Singhania Education Centre

## Kamla Nagar, Kanpur

### Weekly planning overview
#### Session: 2025    - 2026

**Subject**     : IP          **Class** : _XI_          **No. of periods**     : ___

| Period | Topic/s to be covered in classroom | Homework | Status (Yes/No) (Reason if No) |
|---|---|---|---|
| **WEEK _47_: __16/02/2026__ to__21/02/2026__** | | **Period Count: __5__** | |
| PD1 | Revision | | |
| PD2 | Revision | | |
| PD3 | Revision | | |
| PD4 | Revision | | |
| PD5 | Revision | | |
| PD6 | Revision | | |
| **WEEK _48_: __23/02/2026___ to___28/02/2026___** | | **Period Count: __5_** | |
| PD1 | Revision | | |
| PD2 | Revision | | |
| PD3 | HOLIDAY | | |
| PD4 | Revision | | |
| PD5 | Revision | | |
| PD6 | Revision | | |

Subject coordinator                    Supervisor                    Principal/V. Principal