



Sir Padampat Singhania Education Centre
Kamla Nagar, Kanpur

Lesson Plan
Session 2021 - 2022
Class:

Subject : **Computer Science with Python**
Book : **NCERT**

Subject Coordinator
Name: Amit Saxena

Head of Department
Name: Amit Saxena

Sign:

Sign:



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Yearly Syllabus/Planning overview

Session: 2021 - 2022

Subject : Computer Science

Class : XII

No. of periods : 124

Month	Assessed in	Lesson/s to be covered	Period Count
April 2021	May 2021	Database Concepts Structured Query Language (Intro)	06
May 2021	May 2021	Structured Query Language (till DDL) for Unit Test	08
June 2021		Summer Vacations	02
July 2021	Unit Test 2 nd	Structured Query Language (DML, QL) File Handling (Text)	23
Aug 2021	HYE	File Handling (CSV, DATA) Exception Handling in Python	25
September 2021	HYE	Exception Handling in Python Sorting Half Yearly Examination	10
October 2021	PB-1	Searching Stack Queue	18
November 2021	PB-1	Recursion Computer Networking Data Communication and Security Aspects	22
December 2021	PB-2	Revision	10
January 2022	PB-2	Revision	
February 2022	Boards	Revision	
March 2022	Boards	-	

Amit Saxena
Subject Coordinator

Amit Saxena
HOD



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Monthly lesson plan overview

Session: 2021 - 2022

Subject : **Computer Science** **Class** : **XII**
Book : **NCERT** **No. of periods** : **124**
(Computer Science with Python)

Date/Week		Lesson/s to be covered in classroom	Period Count	Status (Yes/No) (Reason if No)	Principal's Sign
From	To				
15/4/21	17/4/21	Database Concept	01		
19/4/21	24/4/21	Database Concept	03		
26/4/21	1/5/21	Database Concept Structured Query Language (Intro)	02 01		
3/5/21	7/5/21	Structured Query Language (DDL)	03		
10/5/21	15/5/21	Structured Query Language (DDL) Lab Practise	02		
17/5/21	22/5/21	Revision Oral and Written Unit Test begins on 22.05.2021	02		
24/5/21	30/5/21	Unit Test 1 Scheduled	NIL		
28/6/21	3/7/21	Structured Query Language (DML)	05		
5/7/21	10/7/21	Structured Query Language (QL)	05		
12/7/21	17/7/21	Structured Query Language (QL)	05		
19/7/21	24/7/21	File Handling (Text)	05		
26/7/21	31/7/21	File Handling (Text)	05		
2/8/21	7/8/21	File Handling (CSV)	05		
9/8/21	14/8/21	File Handling (CSV)	05		
16/8/21	21/8/21	File Handling (Data)	05		

23/8/21	28/8/21	File Handling (Data)	05		
30/8/21	4/9/21	Exception Handling in Python	05		
6/9/21	11/9/21	Exception Handling in Python	05		
13/9/21	18/9/21	Sorting	05		
20/9/21	25/9/21	HYE			
27/9/21	2/10/21	HYE			
4/10/21	9/10/21	Searching	05		
11/10/21	16/10/21	Stack	05		
18/10/21	23/10/21	<i>Stack Queue</i>	03		
25/10/21	30/10/21	Queue	05		
1/11/21	6/11/21	Recursion	02		
8/11/21	13/11/21	Recursion	05		
15/11/21	20/11/21	Computer Networking	05		
22/11/21	27/11/21	Data Communication	05		
29/11/21	4/12/21	Security Aspects	05		
6/12/21	11/12/21	Pre Board - 1			
13/12/21	18/12/21	Pre Board - 1			
20/12/21	25/12/21	Revision	05		
27/12/21	1/1/22	Revision	05		
3/1/22	8/1/22	Pre Board - 2			

10/1/22	15/1/22	Pre Board - 2			
17/1/22	22/1/22	Revision and Practice			
24/1/22	29/1/22	Revision and Practice			
31/1/22	5/2/22	Revision and Practice			
7/2/22	7/2/22	Revision and Practice			
14/2/22	19/2/22	Revision and Practice			
21/2/22	26/2/22	Revision and Practice			
28/2/22	5/3/22	Revision			
7/3/22	12/3/22	Board Examination Month			
14/3/22	19/3/22	Board Examination Month			
21/3/22	26/3/22	Board Examination Month			
28/3/22	31/3/22	Board Examination Month			

Amit Saxena
Subject coordinator

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Weekly planning overview

Session: 2021 - 2022

Subject : Computer Science

Class : XII

No. of periods : 07

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 1: 15 April to 17 April		Period Count: 01	
PD1	Database Concept Intro	Read Chapter	
Note:			
WEEK 2: 19 April to 24 April		Period Count: 03	
PD1	Data base Concept	Quiz (05 ques)	
PD2	Database Concept	Quiz (05 ques)	
PD3	Database Concept	Quiz (05 ques)	
Note:			
WEEK 3: 26 April to 01 May		Period Count: 03	
PD1	Database Concept	Revision Sheet	
PD2	Database Concept Review Test (Viva Form) & Students Doubts Clearance if any	Revise	
PD3	Structured Query Language (Intro)	Read the chapter	
Note:			

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Subject coordinator

Supervisor

Principal/V. Principal



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Kamla Nagar, Kanpur

Weekly planning overview

Session: 2021 - 2022

Subject : Computer Science

Class : XII

No. of periods :

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 4: 03 May to 07 May		Period Count: 03	
PD1	Structured Query Language (login, database creation, opening database)	Why SQL?	
PD2	Structured Query Language (DDL command – Create Table and Describe)	Revise Syntax	
PD3	Structured Query Language (DDL Command – Alter table and Drop Table)	Revise Syntax	
WEEK 5: 10 May to 21 May		Period Count: 02	
PD1	SQL Lab on Create Table	Quiz (05 ques)	
PD2	SQL Lab on Alter Table	Quiz (05 ques)	
WEEK 6: 17 May to 22 May		Period Count: 2	
PD1	Oral Revision Test (Viva) Database Concepts	Revise SQL	
PD2	Written Revision Test SQL (DDL commands)	Revise all	
PD3	Unit Test Scheduled		

WEEK 7: 24 May to 30 May	Period Count:
Unit Test Scheduled	

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Supervisor

Principal/V. Principal



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Weekly planning overview

Session: 2021 - 2022

Subject : Computer Science

Class : 12

WEEK 8: 28 June to 3 July		Period Count: 5	
PD1	Structured Query Language (DML)	-	
PD2	Structured Query Language (DML)	-	
PD3	Structured Query Language (DML)	-	
PD4	Structured Query Language (DML)	-	
PD5	Structured Query Language (DML)	-	
Note:			
WEEK 9: 5 July to 10 July		Period Count: 5	
PD1	Structured Query Language (QL)	-	
PD2	Structured Query Language (QL)	-	
PD3	Structured Query Language (QL)	-	
PD4	Structured Query Language (QL)	-	
PD5	Structured Query Language (QL)	-	
Note:			
WEEK 10: 12 July to 17 July		Period Count: 5	
PD1	Structured Query Language (QL)	-	
PD2	Structured Query Language (QL)	-	
PD3	Structured Query Language (QL)	-	

PD4	Structured Query Language (QL)	-	
PD5	Structured Query Language (QL)	-	

Note:

WEEK 11: 19 July to 24 July

Period Count: 5

PD1	File Handling (Text)	-	
PD2	File Handling (Text)	-	
PD3	File Handling (Text)	-	
PD4	File Handling (Text)	-	
PD5	File Handling (Text)	-	

Note:

WEEK 12: 26 July to 31 July

Period Count: 5

PD1	File Handling (Text)	-	
PD2	File Handling (Text)	-	
PD3	File Handling (Text)	-	
PD4	File Handling (Text)	-	
PD5	File Handling (Text)	-	

Note:

WEEK 13: 2 Aug to 7 Aug

Period Count: 5

PD1	File Handling (CSV)	-	
PD2	File Handling (CSV)	-	
PD3	File Handling (CSV)	-	
PD4	File Handling (CSV)	-	

PD5	File Handling (CSV)	-	
Note:			
WEEK 14: 9 Aug to 14 Aug		Period Count: 5	
PD1	File Handling (CSV)	-	
PD2	File Handling (CSV)	-	
PD3	File Handling (CSV)	-	
PD4	File Handling (CSV)	-	
PD5	File Handling (CSV)	-	
Note:			
WEEK 15: 16 Aug to 21 Aug		Period Count: 5	
PD1	File Handling (Data)	-	
PD2	File Handling (Data)	-	
PD3	File Handling (Data)	-	
PD4	File Handling (Data)	-	
PD5	File Handling (Data)	-	
Note:			
WEEK 16: 23 Aug to 28 Aug		Period Count: 5	
PD1	File Handling (Data)	-	
PD2	File Handling (Data)	-	
PD3	File Handling (Data)	-	
PD4	File Handling (Data)	-	
PD5	File Handling (Data)	-	

Note:

WEEK 17: 30 Aug to 4 Sep

Period Count: 5

PD1	Exception Handling in Python	-	
PD2	Exception Handling in Python	-	
PD3	Exception Handling in Python	-	
PD4	Exception Handling in Python	-	
PD5	Exception Handling in Python	-	

Note:

WEEK 18: 6 Sep to 11 Sep

Period Count: 5

PD1	Exception Handling in Python	-	
PD2	Exception Handling in Python	-	
PD3	Exception Handling in Python	-	
PD4	Exception Handling in Python	-	
PD5	Exception Handling in Python	-	

Note:

WEEK 19: 13 Sep to 18 Sep

Period Count: 5

PD1	Sorting	-	
PD2	Sorting	-	
PD3	Sorting	-	
PD4	Sorting	-	
PD5	Sorting	-	

Note:

WEEK 20: 20 Sep to 25 Sep**Period Count: x**

PD1	Half Yearly Examination	-	
PD2	Half Yearly Examination	-	
PD3	Half Yearly Examination	-	
PD4	Half Yearly Examination	-	
PD5	Half Yearly Examination	-	

Note:**WEEK 21: 27 Oct to 2 Oct****Period Count: x**

PD1	Half Yearly Examination	-	
PD2	Half Yearly Examination	-	
PD3	Half Yearly Examination	-	
PD4	Half Yearly Examination	-	
PD5	Half Yearly Examination	-	

Note:**WEEK 22: 4 Oct to 9 Oct****Period Count: 5**

PD1	Searching	-	
PD2	Searching	-	
PD3	Searching	-	
PD4	Searching	-	
PD5	Searching	-	

Note:

WEEK 23: 11 Oct to 16 Oct**Period Count: 5**

PD1	Stack	-	
PD2	Stack	-	
PD3	Stack	-	
PD4	Stack	-	
PD5	Stack	-	

Note:**WEEK 24: 18 Oct to 23 Oct****Period Count: 3**

PD	Stack	-	
PD2	Queue	-	
PD3	Queue	-	
PD4	x	-	
PD5	x	-	

Note:**WEEK 25: 25 Oct to 30 Oct****Period Count: 5**

PD1	Queue	-	
PD2	Queue	-	
PD3	Queue	-	
PD4	Queue	-	
PD5	Queue	-	

Note:

WEEK 26: 1 Nov to 6 Nov**Period Count: 2**

PD1	Recursion	-	
PD2	Recursion	-	
PD3	x	-	
PD4	x	-	
PD5	x	-	

Note:**WEEK 27: 8 Nov to 13 Nov****Period Count: 5**

PD1	Recursion	-	
PD2	Recursion	-	
PD3	Recursion	-	
PD4	Recursion	-	
PD5	Recursion	-	

Note:**WEEK 28: 15 Nov to 20 Nov****Period Count: 5**

PD1	Computer Networking	-	
PD2	Computer Networking	-	
PD3	Computer Networking	-	
PD4	Computer Networking	-	
PD5	Computer Networking	-	

Note:

WEEK 29: 22 Nov to 27 Nov**Period Count: 5**

PD1	Data Communication	-	
PD	Data Communication	-	
PD	Data Communication	-	
PD4	Data Communication	-	
PD5	Data Communication	-	

Note:**WEEK 30: 29 Nov to 4 Dec****Period Count: 5**

PD1	Security Aspects	-	
PD2	Security Aspects	-	
PD3	Security Aspects	-	
PD4	Security Aspects	-	
PD5	Security Aspects	-	

Note:**WEEK 31: 6 Dec to 11 Dec****Period Count: 5**

PD1	Pre Board - 1	-	
PD2	Pre Board - 1	-	
PD3	Pre Board - 1	-	
PD4	Pre Board - 1	-	
PD5	Pre Board - 1	-	

Note:

WEEK 32: 13 Dec to 18 Dec**Period Count: 5**

PD1	Pre Board - 1	-	
PD2	Pre Board - 1	-	
PD3	Pre Board - 1	-	
PD4	Pre Board - 1	-	
PD5	Pre Board - 1	-	

Note:**WEEK 33: 20 Dec to 25 Dec****Period Count: 5**

PD1	Pre Board - 1	-	
PD2	Pre Board - 1	-	
PD3	Revision	-	
PD4	Revision	-	
PD5	Revision	-	

Note:**WEEK 34: 27 Dec to 1 Jan****Period Count: 5**

PD1	Revision	-	
PD2	Revision	-	
PD3	Revision	-	
PD4	Revision	-	
PD5	Revision	-	

Note:

WEEK 35: 3 Jan to 8 Jan**Period Count: 5**

PD1	Pre Board - 2	-	
PD2	Pre Board - 2	-	
PD3	Pre Board - 2	-	
PD4	Pre Board - 2	-	
PD5	Pre Board - 2	-	

Note:**WEEK 36: 10 Jan to 15 Jan****Period Count: 5**

PD1	Pre Board - 2	-	
PD2	Pre Board - 2	-	
PD3	Pre Board - 2	-	
PD4	Pre Board - 2	-	
PD5	Pre Board - 2	-	

Note:**WEEK 37: 17 Jan to 22 Jan****Period Count: 5**

PD1	Pre Board - 2	-	
PD2	Pre Board - 2	-	
PD3	Revision	-	
PD4	Revision	-	
PD5	Revision	-	

Note:

WEEK 38: 24 Jan to 29 Jan**Period Count: 5**

PD1	Revision	-	
PD2	Revision	-	
PD3	Revision	-	
PD4	Revision	-	
PD5	Revision	-	

Note:**WEEK 39: 1 Feb to 6 Feb****Period Count: 5**

PD1	Revision	-	
PD2	Revision	-	
PD3	Revision	-	
PD4	Revision	-	
PD5	Revision	-	

Note:**WEEK 40: 8 Feb to 13 Feb****Period Count: 5**

PD1	Revision + Board Practical	-	
PD2	Revision+ Board Practical	-	
PD3	Revision+ Board Practical	-	
PD4	Revision+ Board Practical	-	
PD5	Revision+ Board Practical	-	

Note:

WEEK 41: 15 Feb to 20 Feb**Period Count: 5**

PD1	Revision+ Board Practical	-	
PD2	Revision+ Board Practical	-	
PD3	Revision+ Board Practical	-	
PD4	Revision+ Board Practical	-	
PD5	Revision+ Board Practical	-	

Note:**WEEK 42: 22 Feb to 27 Feb****Period Count: 5**

PD1	Revision+ Board Practical	-	
PD2	Revision+ Board Practical	-	
PD3	Revision+ Board Practical	-	
PD4	Revision+ Board Practical	-	
PD5	Revision+ Board Practical	-	

Note:**WEEK 43: 1 Mar to 6 Mar****Period Count: 5**

PD1	Revision	-	
PD2	Revision	-	
PD3	Revision	-	
PD4	Revision	-	
PD5	Revision	-	

Note:

WEEK 44: 8 Mar to 13 Mar**Period Count: 5**

PD1	Revision	-	
PD2	Revision	-	
PD3	Revision	-	
PD4	Revision	-	
PD5	Revision	-	

Note:**WEEK 45: 15 Mar to 20 Mar****Period Count: 5**

PD1	Revision	-	
PD2	Revision	-	
PD3	Revision	-	
PD4	Revision	-	
PD5	Revision	-	

Note:**WEEK 46: 22 Mar to 27 Mar****Period Count: 5**

PD1	x	-	
PD2	x	-	
PD3	x	-	
PD4	x	-	
PD5	x	-	

Note:

WEEK 47: 29 Mar to 31 Mar 2022

Period Count: 5

PD1	x	-	
PD2	x	-	
PD3	x	-	
PD4	x	-	
PD5	x	-	

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