



Sir Padampat Singhania Education Centre
Kamla Nagar, Kanpur

Lesson Plan
Session 2019 - 2020
Class: 12th

Subject : **Computer Science (083) – Python**
Book : **Saraswati Computer Science (By Reeta Sahoo)**

Subject Coordinator
Name: Vikrant Kapoor

Head of Department
Name:

Sign:

Sign:



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Yearly Syllabus/Planning overview

Session: 2019 - 2020

Subject : Computer Science Class : XII No. of periods : __

Month	Assessed in	Lesson/s to be covered	Period Count
April	TEST -I	Review of Python-I , Review of Python-II, User-Defined Functions in Python	
May	TEST -I	Working with Mutable and Immutable Data Types, File Handling in Python	
June	TEST -II	File Handling in Python	
July	TEST -II	Data Visualization using Pyplot, Recursion Programming in Python ,	
August	HYE	Review of SQL SELECT Statement, SQL Group Functions , Data Structure using Python jList, Stack using Python List	
September	HYE	Queue using Python List , Computer Networking,	
October	PB-I	Network Stack and Tools, Network Protocols and Applications , Django Web Base Application, Interface Python with SQL Database, Society-Law and Ethics	
November	PB-II	E-Waste Management , Revision	
December	Borad Ex	Revision	
January	Borad Ex	Revision	
February	Borad Ex	Revision	
March	Borad Ex		

Subject coordinator:

HOD:



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Monthly Syllabus/Planning overview

Session: 2019 - 2020

Subject : Computer Science – Python (083)

Class : 12th

No. of periods :

Month	Date/Week		Lesson/s to be covered in classroom	Period
	From	To		Count
Apr	9/04/19	13/04/19	Review of Python-I	3
	15/04/19	20/04/19	Review of Python-II, User-Defined Functions in Python	3
	22/04/19	27/04/19	User-Defined Functions in Python	3
	29/04/19	04/05/19	Working with Mutable and Immutable Data Types	
May	06/05/19	11/05/19	Working with Mutable and Immutable Data Types, Revision	3
	13/05/19	18/05/19	TEST – Week	2
	20/05/19	25/05/19	File Handling in Python	3
Summer Vacations Begins for Class 10th (28-May 2019 to 27-June 2019)				
Jun	28/06/19	29/06/19	File Handling in Python	1
	01/07/19	06/07/19	File Handling in Python, Data Visualization using Pyplot	4

Jul	08/07/19	13/07/19	Data Visualization using Pyplot,	5
	15/07/19	19/07/19	Recursion Programming in Python , Revision	5
	22/07/19	27/07/19	TEST	5
	29/07/19	03/08/19	Recursion Programming in Python	5
Aug	05/08/19	10/08/19	Recursion Programming in Python,	3
	12/08/19	17/08/19	Review of SQL SELECT Statement, SQL Group Functions	3
	19/08/19	24/08/19	SQL Group Functions, Data Structure using Python jList	5
	26/08/19	31/09/19	Data Structure using Python jList , Stack using Python List	5
Sep	02/09/19	07/09/19	Stack using Python List, Queue using Python List	5
	09/09/19	14/09/19	Computer Networking, Revision	-
	16/09/19	21/09/19	Half yearly Exams Begins	-
	23/09/19	28/09/19	Half yearly Exams continued	-
	30/09/19	05/10/19	Computer Networking	2
	07/10/19	12/10/19	Computer Networking, Network Stack and Tools	2

Oct	14/10/19	19/10/19	Network Stack and Tools, Network Protocols and Applications	-
	21/10/19	26/10/19	Django Web Base Application, Interface Python with SQL Database	3
	28/10/19	02/11/19	Society-Law and Ethics	1
Nov	04/11/19	09/11/19	E-Waste Management, Revision	3
	11/11/19	16/11/19	Revision	-
	18/11/19	23/11/19	Revision	-
	25/11/19	30/12/19	Revision	-
Dec	02/12/19	07/12/19	Pre – Board Examination - 1	-
	09/12/19	14/12/19	Revision	-
	16/12/19	21/12/19	Revision	-
	23/12/19	28/12/19	Revision	-
Jan	31/12/19	04/01/20	Pre – Board Examination - 1	-
	06/01/20	11/01/20	Pre – Board Examination - 1	-
	13/01/20	18/01/20	Revision	-
	20/01/20	25/01/20	Revision	-

	27/01/20	01/02/20	Revision	-
Feb	03/02/20	08/02/20	Board Practical (tentative)	-
	10/02/20	15/02/20	Board Practical (tentative)	-
	17/02/20	22/02/20	Revision	-
	24/02/20	29/02/20	Revision	-
March	02/03/20	07/03/20	Board Examination 2019-20(tentative)	
	09/03/20	14/03/20	Board Examination 2019-20(tentative)	
	16/03/20	21/03/20	Board Examination 2019-20(tentative)	
	23/03/20	28/03/20	Board Examination 2019-20(tentative)	
	30/03/20	31/03/20	Board Examination 2019-20(tentative)	

Subject coordinator:

HOD:



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Weekly planning overview

Session: 2019 - 2020

Subject : Computer Science

Class : XII

No. of periods : ____

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 1 : 01/04/19 to 06/04/19			Period Count: ____
PD1	Review of Python-I		
PD2	Review of Python-I		
PD3	Review of Python-I		
PD4	Review of Python-II		
PD5	Review of Python-II		
WEEK 2 : 08/04/19 to 13/04/19			Period Count: ____
PD1	Review of Python - II		
PD2	User-Defined Functions in Python		
PD3	User-Defined Functions in Python		
PD4	User-Defined Functions in Python		
PD5	User-Defined Functions in Python		
WEEK 3 : 15/04/19 to 20/04/19			Period Count: ____
PD1	User-Defined Functions in Python		
PD2	User-Defined Functions in Python		

PD3	User-Defined Functions in Python		
PD4	User-Defined Functions in Python		
PD5	User-Defined Functions in Python		
WEEK 4 : 22/04/19 to 27/04/19		Period Count: ____	
PD1	User-Defined Functions in Python		
PD2	User-Defined Functions in Python		
PD3	User-Defined Functions in Python		
PD4	User-Defined Functions in Python		
PD5	User-Defined Functions in Python		
WEEK 5 : 29/04/19 to 04/05/19		Period Count: ____	
PD1	User-Defined Functions in Python		
PD2	Working with Mutable and Immutable Data Types		
PD3	Working with Mutable and Immutable Data Types		
PD4	Working with Mutable and Immutable Data Types		
PD5	Working with Mutable and Immutable Data Types		
WEEK 6 : 06/05/19 to 11/05/19		Period Count: ____	
PD1	Working with Mutable and Immutable Data Types		
PD2	Revision		
PD3	Revision		
PD4	Revision		

PD5	Revision		
WEEK 7: 13/05/19 to 18/05/19		Period Count: ____	
PD1	TEST WEEK		
PD2	TEST WEEK		
PD3	TEST WEEK		
PD4	TEST WEEK		
PD5	TEST WEEK		
WEEK 8: 20/05/19 to 25/05/19		Period Count: ____	
PD1	TEST WEEK		
PD2	TEST WEEK		
PD3	File Handling in Python		
PD4	File Handling in Python		
PD5	File Handling in Python		
WEEK 9: 27/05/19 to 01/06/19		Period Count: ____	
PD1	File Handling in Python		
PD2	Summer Vacations		
PD3	Summer Vacations		
PD4	Summer Vacations		
PD5	Summer Vacations		
WEEK 10: 03/06/19 to 08/06/19		Period Count: ____	
PD1	Summer Vacations		
PD2	Summer Vacations		

PD3	Summer Vacations		
PD4	Summer Vacations		
PD5	Summer Vacations		
WEEK 11: 10/06/19 to 15/06/19		Period Count: ____	
PD1	Summer Vacations		
PD2	Summer Vacations		
PD3	Summer Vacations		
PD4	Summer Vacations		
PD5	Summer Vacations		
WEEK 12: 17/06/19 to 22/06/19		Period Count: ____	
PD1	Summer Vacations		
PD2	Summer Vacations		
PD3	Summer Vacations		
PD4	Summer Vacations		
PD5	Summer Vacations		
WEEK 13: 24/06/19 to 29/06/19		Period Count: ____	
PD1	Summer Vacations		
PD2	Summer Vacations		
PD3	Summer Vacations		
PD4	File Handling in Python		
PD5	File Handling in Python		
WEEK 14: 01/07/19 to 06/07/19		Period Count: ____	

PD1	File Handling in Python		
PD2	File Handling in Python		
PD3	File Handling in Python		
PD4	Data Visualization using Pyplot		
PD5	Data Visualization using Pyplot		
WEEK 15 : 08/07/19 to 13/07/19		Period Count: ____	
PD1	Data Visualization using Pyplot		
PD2	Data Visualization using Pyplot		
PD3	Data Visualization using Pyplot		
PD4	Data Visualization using Pyplot		
PD5	Recursion Programming in Python		
WEEK 16 : 15/07/19 to 20/07/19		Period Count: ____	
PD1	Recursion Programming in Python		
PD2	Recursion Programming in Python		
PD3	Recursion Programming in Python		
PD4	Recursion Programming in Python		
PD5	TEST WEEK		
WEEK 17 : 22/07/19 to 27/07/19		Period Count: ____	
PD1	TEST WEEK		
PD2	TEST WEEK		
PD3	TEST WEEK		
PD4	TEST WEEK		

PD5	TEST WEEK		
WEEK 18 : 29/07/19 to 03/08/19		Period Count: ____	
PD1	Recursion Programming in Python		
PD2	Recursion Programming in Python		
PD3	Recursion Programming in Python		
PD4	Recursion Programming in Python		
PD5	Review of SQL SELECT Statement		
WEEK 19 : 05/08/19 to 10/08/19		Period Count: ____	
PD1	Review of SQL SELECT Statement		
PD2	SQL Group Functions		
PD3	SQL Group Functions		
PD4	SQL Group Functions		
PD5	SQL Group Functions		
WEEK 20 : 12/08/19 to 17/08/19		Period Count: ____	
PD1	Data Structure using Python jList		
PD2	Data Structure using Python jList		
PD3	Data Structure using Python jList		
PD4	Data Structure using Python jList		
PD5	Data Structure using Python jList		
WEEK 21 : 19/08/19 to 24/08/19		Period Count: ____	
PD1	Data Structure using Python jList		
PD2	Data Structure using Python jList		

PD3	Data Structure using Python jList		
PD4	Stack using Python List		
PD5	Stack using Python List		
WEEK 22 : 26/08/19 to 31/08/19		Period Count: ____	
PD1	Stack using Python List		
PD2	Stack using Python List		
PD3	Stack using Python List		
PD4	Stack using Python List		
PD5	Stack using Python List		
WEEK 23 : 02/09/19 to 07/09/19		Period Count: ____	
PD1	Queue using Python List		
PD2	Queue using Python List		
PD3	Queue using Python List		
PD4	Queue using Python List		
PD5	Queue using Python List		
WEEK 24 : 09/09/19 to 14/09/19		Period Count: ____	
PD1	Computer Networking		
PD2	Computer Networking		
PD3	Computer Networking / Revision		
PD4	Revision		
PD5	Revision		
WEEK 25 : 16/09/19 to 21/09/19		Period Count: ____	

PD1	Half Yearly Examination		
PD2	Half Yearly Examination		
PD3	Half Yearly Examination		
PD4	Half Yearly Examination		
PD5	Half Yearly Examination		
WEEK 26 : 23/09/19 to 28/09/19		Period Count: ____	
PD1	Half Yearly Examination		
PD2	Half Yearly Examination		
PD3	Half Yearly Examination		
PD4	Half Yearly Examination		
PD5	Half Yearly Examination		
WEEK 27 : 30/09/19 to 05/10/19		Period Count: ____	
PD1	Half Yearly Examination		
PD2	Network Stack and Tools		
PD3	Network Stack and Tools		
PD4	Network Stack and Tools		
PD5	Network Protocols and Applications		
WEEK 28 : 07/10/19 to 12/10/19		Period Count: ____	
PD1	Network Protocols and Applications		
PD2	Network Protocols and Applications		
PD3	Django Web Base Application		
PD4	Django Web Base Application		

PD5	Django Web Base Application		
WEEK 29 : 14/10/19 to 19/10/19		Period Count: ____	
PD1	Django Web Base Application		
PD2	Django Web Base Application		
PD3	Django Web Base Application		
PD4	Django Web Base Application		
PD5	Interface Python with SQL Database		
WEEK 30 : 21/10/19 to 26/10/19		Period Count: ____	
PD1	Interface Python with SQL Database		
PD2	Interface Python with SQL Database		
PD3	Interface Python with SQL Database		
PD4	Interface Python with SQL Database		
PD5	Interface Python with SQL Database		
WEEK 31 : 28/10/19 to 02/11/19		Period Count: ____	
PD1	Society-Law and Ethics		
PD2	Society-Law and Ethics		
PD3	Society-Law and Ethics		
PD4	Society-Law and Ethics		
PD5	E-Waste Management		
WEEK 32 : 04/11/19 to 09/11/19		Period Count: ____	
PD1	E-Waste Management		
PD2	E-Waste Management		

PD3	E-Waste Management		
PD4	E-Waste Management		
PD5	Revision		
WEEK 33 : 11/11/19 to 16/11/19		Period Count: ____	
PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		
WEEK 34 : 18/11/19 to 23/11/19		Period Count: ____	
PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		
WEEK 35 : 25/11/19 to 30/11/19		Period Count: ____	
PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Pre – Board Examination - 1		
WEEK 36 : 02/12/19 to 07/12/19		Period Count: ____	

PD1	Pre – Board Examination - 1		
PD2	Pre – Board Examination - 1		
PD3	Pre – Board Examination - 1		
PD4	Pre – Board Examination - 1		
PD5	Pre – Board Examination - 1		
WEEK 37 : 09/12/19 to 14/12/19		Period Count: ____	
PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		
WEEK 38 : 16/12/19 to 21/12/19		Period Count: ____	
PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		
WEEK 39 : 23/12/19 to 28/12/19		Period Count: ____	
PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Pre – Board Examination - II		

PD5	Pre – Board Examination – II		
WEEK 40 : 30/12/19 to 04/01/20		Period Count: ____	
PD1	Pre – Board Examination – II		
PD2	Pre – Board Examination – II		
PD3	Pre – Board Examination - II		
PD4	Pre – Board Examination – II		
PD5	Pre – Board Examination – II		
WEEK 41 : 06/01/20 to 11/01/20		Period Count: ____	
PD1	Pre – Board Examination - II		
PD2	Pre – Board Examination – II		
PD3	Pre – Board Examination – II		
PD4	Pre – Board Examination – II		
PD5	Pre – Board Examination – II		
WEEK 42 : 13/01/20 to 18/01/20		Period Count: ____	
PD1	Pre – Board Examination – II		
PD2	Pre – Board Examination – II		
PD3	Pre – Board Examination – II		
PD4	Revision		
PD5	Revision		
WEEK 43 : 20/01/20 to 25/01/20		Period Count: ____	
PD1	Revision		
PD2	Revision		

PD3	Revision		
PD4	Revision		
PD5	Revision		

WEEK 44 : 27/01/20 to 01/02/20

Period Count: ____

PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		

WEEK 45 : 03/02/20 to 08/02/20

Period Count: ____

PD1	Board Practical (tentative)		
PD2			
PD3			
PD4			
PD5			

WEEK 46 : 10/02/20 to 15/02/20

Period Count: ____

PD1	Board Practical (tentative)		
PD2			
PD3			
PD4			
PD5			

WEEK 47 : 17/02/20 to 22/02/20

Period Count: ____

PD1	Revision		
PD2			
PD3			
PD4			
PD5			

WEEK 48 : 24/02/20 to 29/02/20

Period Count: ____

PD1	Revision		
PD2			
PD3			
PD4			
PD5			

WEEK 49 : 02/03/20 to 07/03/20

Period Count: ____

PD1	Board Examination (Tentative)		
PD2			
PD3			
PD4			
PD5			

WEEK 50 : 09/03/20 to 14/03/20

Period Count: ____

PD1	Board Examination (Tentative)		
PD2			
PD3			
PD4			

PD5			
WEEK 51 : 16/03/20 to 21/03/20		Period Count: ____	
PD1	Board Examination (Tentative)		
PD2			
PD3			
PD4			
PD5			
WEEK 52 : 23/03/20 to 28/03/20		Period Count: ____	
PD1	Board Examination (Tentative)		
PD2			
PD3			
PD4			
PD5			
WEEK **: 29/03/20 to 31/03/20		Period Count: ____	
PD1			
PD2			
PD3			

Subject coordinator

Supervisor

Principal/V. Principal