Sir Padampat Singhania Education Centre
Kamla Nagar, Kanpur

Lesson Plan
Session 2021   - 2022
Class: XII-G

Subject   : **Computer Science (083)**
Book   : **Computer Science by Saraswati Publication (Author Reeta Sahoo)**

Subject Coordinator   **Head of Department**
Name: Vikrant Kapoor   Name:

Sign: Sign:

Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Yearly Syllabus/Planning overview
Session: 2021   - 2022

Subject : Computer Science   **Class : XII-G**   **No. of periods   : 5 PW**

Month	Assessed in	Lesson/s to be covered	Period Count
April 2021	Test1	Functions in Python (including Modules)	15
May 2021	Test 1	Recursion (with String, List , Digits) File Handling	8+4 8
June 2021	X	Files	2
July 2021	Test 2	Python Library, Introduction to Stack	22
Aug 2021	Test 2 + HYE	Stack	15
September 2021	HYE	Networking , Queue	22
October 2021	PB-1	Networking (Contd.), Database Management System	22
November 2021	PB-1	DBMS Using SQL, Interface of Python with SQL	22
December 2021	PB-2	Revision	22
January 2022	PB-2	Revision	20
February 2022	Boards	Revision	20
March 2022	Boards	-	

Subject coordinator: VIK   HOD:

Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Monthly lesson plan overview
Session: 2021 - 2022

Subject	:	**Computer Science (083**	**Class**	:	**XII-G**
Book	:	**CS - Saraswati Publication**	**No. of periods**	:	**5 PW**

Date/Week		Lesson/s to be covered in classroom	Period Count	Status (Yes/No) (Reason if No)	Principal's Sign
From	**To**				
8 Apr, 21	10 Apr, 21	Functions in Python (Intro)	5		
12 Apr, 21	17 Apr, 21	Functions in Python (Argument)	5		
19 Apr, 21	24 Apr, 21	Functions in Python (Return)	5		
26 Apr, 21	1 May, 21	Functions in Python (Calling Statements)	5		
3 May, 21	8 May, 21	Recursion (Introduction)	5		
10 May, 21	15 May, 21	Recursion (Base , Recursive case, Coding based on list, string , digits)	5		
17 May, 21	22 May, 21	File Handling (Introduction)	5		
24 May, 21	29 May, 21	File Handling (Text / Binary Files)	5		
28 June, 21	30 June, 21	Python Library – Introduction	2		
1 July, 21	3 July, 21	Python Library – String , Math	5		
5 July, 21	10 July, 21	Python Library – Random	5		
12 July, 21	17 July, 21	Python Library – Random using List	5		
19 July, 21	24 July, 21	Python Library – Random using Tuple and Dictionary	5		
26 July, 21	31 July, 21	Stack – Introduction , Push	5		
2 Aug, 21	7 Aug, 21	Stack – Pop, Print	5		

9 Aug, 21	14 Aug, 21	Stack – Tabular representation	5		
16 Aug, 21	21 Aug, 21	Stack – Tabular representation , Output based	5		
23 Aug, 21	28 Aug, 21	Stack – Output based	5		
30 Aug, 21	4 Sep, 21	Introduction to Queue	5		
6 Sep, 21	11 Sep, 21	Queue (Add , Remove, Print)	5		
13 Sep, 21	18 Sep, 21	Networking – (Numerical)	5		
20 Sep, 21	25 Sep, 21	HYE			
27 Sep, 21	2 Oct, 21	HYE			
4 Oct, 21	9 Oct, 21	Networking – Contd.	5		
11 Oct, 21	16 Oct, 21	Database Management System- SQL	5		
18 Oct, 21	23 Oct, 21	Database Management System- SQL	3*		
25 Oct, 21	30 Oct, 21	Database Management System- SQL	5		
1 Nov, 21	6 Nov, 21	Database Management System- SQL	2*		
8 Nov, 21	13 Nov, 21	Interface of Python with SQL	5		
15 Nov, 21	20 Nov, 21	Interface of Python with SQL	5		
22 Nov, 21	27 Nov, 21	Interface of Python with SQL	5		
29 Nov, 21	4 Dec, 21	Revision	5		
6 Dec, 21	11 Dec, 21	Pre Board - 1			
13 Dec, 21	18 Dec, 21	Pre Board - 1			
20 Dec, 21	25 Dec, 21	Revision	5		

27 Dec, 21	1 Jan, 22	Revision	5		
3 Jan, 22	8 Jan, 22	Pre Board - 2			
10 Jan, 22	15 Jan, 22	Pre Board - 2			
17 Jan, 22	22 Jan, 22	Revision and Practical Practice			
24 Jan, 22	29 Jan, 22	Revision and Practical Practice			
31 Jan, 22	5 Feb, 22	Revision and Practical Practice			
7 Feb, 22	12 Feb, 22	Revision and Practical Practice			
14 Feb, 22	19 Feb, 22	Revision and Practical Practice			
21 Feb, 22	26 Feb, 22	Revision and Practical Practice			
28 Feb, 22	5 Mar, 22	Revision			
7 Mar, 22	12 Mar, 22	Board Examination Month			
14 Mar, 22	19 Mar, 22	Board Examination Month			
21 Mar, 22	26 Mar. 22	Board Examination Month			
28 Mar, 22	31 Mar, 22	Board Examination Month			

Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Weekly planning overview
Session: 2021 - 2022

Subject   : Computer Science
Class   : XII-G

No. of periods   : 5PW

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 1: 8 April to 10 April		**Period Count: 5**	
PD1	Functions in Python (Intro)		
PD2	Functions in Python (Intro)		
PD3	Functions in Python (Intro)		
PD4	X		
PD5	X		
Note:			
WEEK 2: 12 April to 17 April		**Period Count: 5**	
PD1	Functions in Python (Argument)		
PD2	Functions in Python (Argument)		
PD3	Functions in Python (Argument)		
PD4	Functions in Python (Argument)		
PD5	Functions in Python (Argument)		
Note:			
WEEK 3: 19 April to 24April		**Period Count: 5**	
PD1	Functions in Python (Return)		

PD2	Functions in Python (Return)		
PD3	Functions in Python (Return)		
PD4	Functions in Python (Return)		
PD5	Functions in Python (Return)		

Note:

WEEK 4:	**26 April to 1 May**	**Period Count: 5**	
PD1	Functions in Python (Calling Statements)		
PD2	Functions in Python (Calling Statements - coding)		
PD3	Functions in Python (Calling Statements - coding)		
PD4	Functions in Python (Calling Statements – Output Q)		
PD5	Functions in Python (Calling Statements – Output Q)		

Note:

WEEK 5:	**3 May to 8 May**	**Period Count: 5**	
PD1	Recursion (Introduction)		
PD2	Recursion (Introduction)		
PD3	Recursion (Introduction – Base Recursive case)		
PD4	Recursion (Introduction – Base Recursive case)		
PD5	Recursion (Introduction – Chain Calling)		

Note:

WEEK 6:	**10 May to 15 May**	**Period Count: 5**	
PD1	Recursion (Base , Recursive case, Coding based on list, string , digits)		
PD2	Recursion (Base , Recursive case, Coding based on list, string , digits)		

PD3	Recursion (Base , Recursive case, Coding based on list, string , digits)		
PD4	Recursion (Base , Recursive case, Coding based on list, string , digits)		
PD5	Recursion (Base , Recursive case, Coding based on list, string , digits)		

Note:

WEEK 7: 17 May to 22 May		**Period Count: 5**	
PD1	File Handling (Introduction)		
PD2	File Handling (Introduction)		
PD3	File Handling (Introduction – Open Close)		
PD4	File Handling (Introduction – Open Close)		
PD5	File Handling (Introduction – modes)		

Note:

WEEK 8: 24 May to 29 May		**Period Count: 5**	
PD1	File Handling (Text / Binary Files)		
PD2	File Handling (Text / Binary Files)		
PD3	File Handling (Text / Binary Files - coding)		
PD4	File Handling (Text / Binary Files - coding)		
PD5	File Handling (Text / Binary Files - outputs)		

Note:

WEEK 9: 28 June to 3 July		**Period Count: 2**	
PD1	Python Library – Introduction		
PD2	Python Library – Introduction		
PD3	**x**		

PD4	**x**		
PD5	**x**		

Note:

WEEK 10: 5 July to 10 July		**Period Count: 5**	
PD1	Python Library – String , Math		
PD2	Python Library – String , Math		
PD3	Python Library – String , Math		
PD4	Python Library – String , Math		
PD5	Python Library – String , Math		

Note:

WEEK 11: 12 July to 17 July		**Period Count: 5**	
PD1	Python Library – Random		
PD2	Python Library – Random		
PD3	Python Library – Random		
PD4	Python Library – Random		
PD5	Python Library – Random		

Note:

WEEK 12: 19 July to 24 July		**Period Count: 5**	
PD1	Python Library – Random using List		
PD2	Python Library – Random using List		
PD3	Python Library – Random using List		
PD4	Python Library – Random using List		

PD5	Python Library – Random using List		

Note:

WEEK 13: 26 July to 31 July		**Period Count: 5**	
PD1	Python Library – Random using Tuples Dictionaries,		
PD2	Python Library – Random using Tuples Dictionaries,		
PD3	Python Library – Random using Tuples Dictionaries,		
PD4	Python Library – Random using Tuples Dictionaries,		
PD5	Python Library – Random using Tuples Dictionaries,		

Note:

WEEK 14: 2 Aug to 7 Aug		**Period Count: 5**	
PD1	Stack – Pop, Print		
PD2	Stack – Pop, Print		
PD3	Stack – Pop, Print		
PD4	Stack – Pop, Print		
PD5	Stack – Pop, Print		

Note:

WEEK 15: 9 Aug to 14 Aug		**Period Count: 5**	
PD1	Stack – Tabular Representation		
PD2	Stack – Tabular Representation		
PD3	Stack – Tabular Representation		
PD4	Stack – Tabular Representation		
PD5	Stack – Tabular Representation		

Note:

WEEK 16: 16 Aug to 21 Aug			Period Count: 5
PD1	Stack – Tabular representation		
PD2	Stack – Tabular representation		
PD3	Stack – Tabular representation		
PD4	Stack – Tabular representation		
PD5	Stack – Tabular representation , Output based		

Note:

WEEK 17: 23 Aug to 28 Aug			Period Count: 5
PD1	Stack – Output based		
PD2	Stack – Output based		
PD3	Stack – Output based		
PD4	Stack – Output based		
PD5	Introduction to Queue		

Note:

WEEK 18: 30 Aug to 4 Sep			Period Count: 5
PD1	Introduction to Queue		
PD2	Introduction to Queue		
PD3	Introduction to Queue		
PD4	Introduction to Queue		
PD5	Introduction to Queue		

Note:

WEEK 19: 6 Sep to 11 Sep			Period Count: 5
PD1	Introduction to Queue (add)		
PD2	Queue (Add, Remove , Print)		
PD3	Queue (Add, Remove , Print)		
PD4	Queue (Add, Remove , Print)		
PD5	Queue (Add, Remove , Print)		
Note:			

WEEK 20: 13 Sep to 18 Sep			Period Count: 5
PD1	Networking – (Numerical)		
PD2	Networking – (Numerical)		
PD3	Networking – (Numerical)		
PD4	Networking – (Numerical)		
PD5	Networking – (Numerical)		
Note:			

WEEK 21: 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 22: 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 23: 4 Oct to 9 Oct		**Period Count: 5**	
PD1	Networking – Contd.		
PD2	Networking – Contd.		
PD3	Networking – Contd.		
PD4	Networking – Contd.		
PD5	Networking – Contd.		

Note:

WEEK 24: 11 Oct to 16 Oct		**Period Count: 5**	
PD1	Database Management System- SQL		
PD2	Database Management System- SQL		
PD3	Database Management System- SQL		
PD4	Database Management System- SQL		
PD5	Database Management System- SQL		

Note:

WEEK 25: 18 Oct to 23 Oct		**Period Count: 3**	
PD1	Database Management System- SQL		

PD2	Database Management System- SQL		
PD3	Database Management System- SQL		
PD4	**x**		
PD5	**x**		

Note:

WEEK 26: 25 Oct to 30 Oct		**Period Count: 5**	
PD1	Database Management System- SQL		
PD2	Database Management System- SQL		
PD3	Database Management System- SQL		
PD4	Database Management System- SQL		
PD5	Database Management System- SQL		

Note:

WEEK 27: 1 Nov to 6 Nov		**Period Count: 2**	
PD1	Database Management System- SQL		
PD2	Database Management System- SQL		
PD3	**x**		
PD4	**x**		
PD5	**x**		

Note:

WEEK 28: 8 Nov to 13 Nov		**Period Count: 5**	
PD1	Interface of Python with SQL		
PD2	Interface of Python with SQL		

PD3	Interface of Python with SQL		
PD4	Interface of Python with SQL		
PD5	Interface of Python with SQL		

Note:

WEEK 29: 15 Nov to 20 Nov		**Period Count: 5**	
PD1	Interface of Python with SQL (Project Cycle)		
PD2	Interface of Python with SQL (Project Cycle)		
PD3	Interface of Python with SQL (Project Cycle)		
PD4	Interface of Python with SQL (Project Cycle)		
PD5	Interface of Python with SQL (Project Cycle)		

Note:

WEEK 30: 22 Nov to 27 Nov		**Period Count: 5**	
PD1	Interface of Python with SQL (Project Cycle)		
PD2	Interface of Python with SQL (Project Cycle)		
PD3	Interface of Python with SQL (Project Cycle)		
PD4	Interface of Python with SQL (Project Cycle)		
PD5	Interface of Python with SQL (Project Cycle)		

Note:

WEEK 31: 29 Nov to 4 Dec		**Period Count: 5**	
PD1	Revision		
PD2	Revision		
PD3	Revision		

PD4	Revision		
PD5	Revision		

Note:

WEEK 32: 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 33: 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 34: 20 Dec to 25 Dec		**Period Count: 5**	
PD1	Pre Board - 1		
PD2	Pre Board - 1		
PD3	**Revision**		
PD4	**Revision**		

PD5	**Revision**		

Note:

WEEK 35: 27 Dec to 1 Jan		**Period Count: 5**	
PD1	**Revision**		
PD2	**Revision**		
PD3	**Revision**		
PD4	**Revision**		
PD5	**Revision**		

Note:

WEEK 36: 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 37: 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 38: 17 Jan to 22 Jan		**Period Count: 5**	
PD1	Pre Board - 2		
PD2	Pre Board - 2		
PD3	**Revision**		
PD4	**Revision**		
PD5	**Revision**		

Note:

WEEK 39: 24 Jan to 29 Jan		**Period Count: 5**	
PD1	**Revision**		
PD2	**Revision**		
PD3	**Revision**		
PD4	**Revision**		
PD5	**Revision**		

Note:

WEEK 40: 1 Feb to 6 Feb		**Period Count: 5**	
PD1	**Revision**		
PD2	**Revision**		
PD3	**Revision**		
PD4	**Revision**		
PD5	**Revision**		

Note:

WEEK 41: 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 42: 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 43: 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 44: 1 Mar to 6 Mar		Period Count: 5	

PD1	**Revision**		
PD2	**Revision**		
PD3	**Revision**		
PD4	**Revision**		
PD5	**Revision**		

Note:

WEEK 45: 8 Mar to 13 Mar		**Period Count: 5**	
PD1	**Revision**		
PD2	**Revision**		
PD3	**Revision**		
PD4	**Revision**		
PD5	**Revision**		

Note:

WEEK 46: 15 Mar to 20 Mar		**Period Count: 5**	
PD1	**Revision**		
PD2	**Revision**		
PD3	**Revision**		
PD4	**Revision**		
PD5	**Revision**		

Note:

WEEK 47: 22 Mar to 27 Mar		**Period Count: 5**	
PD1	**x**		

PD2	**x**		
PD3	**x**		
PD4	**x**		
PD5	**x**		

Note:

WEEK 48: 29 Mar to 31 Mar 2022			**Period Count: 5**
PD1	**x**		
PD2	**x**		
PD3	**x**		
PD4	**x**		
PD5	**x**		

Note:

PD1	**x**		
PD2	**x**		
PD3	**x**		
PD4	**x**		
PD5	**x**		

Note:

Subject coordinator   Supervisor   Principal/V. Principal

Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Lesson plan implementation report

Session: 2021   - 2022

Term :	**Assessment** :	
From Date :	**To Date** :	
Subject : Computer Science	**Class** : XII-G	
Book : CS – Saraswati Publication	**No. of periods** : 5 PW	

Section	Subject Teacher	Lesson/s to be covered according to lesson plan	Status Yes/No	Reason if not completed

Remarks:

Subject coordinator: HOD: