

O. P. JINDAL SCHOOL, SAVITRINAGAR, TAMNAR

Annual Syllabus Break-up for the session 2026-2027

Subject: Computer Science (083) Class: XII

Sl.	Month	No. of Instructional days	No. of periods	Chapters to be taught	Subject enrichment activities	Values to be imparted	Extra content to be taught
1	April	24	17	Ch-1 Python Revision Tour Ch-2 1 Python Revision Tour-II	Assertion Reason Question Objective based questions Assignments Competency Based Questions Conversion Methods PPT's ,Videos, Quiz	Already knows about the basics of Python Fundamentals but explored more snippets Learned the computational thinking to solve the output based questions	Practiced more code snippet from different reference books

Sl.	Month	No. of Instructional days	No. of periods	Chapters to be taught	Subject enrichment activities	Values to be imparted	Extra content to be taught
2	June	13	6	Ch-3 Working with functions	Assertion Reason Question Objective based questions Type A,B and C Competency Based Questions (worksheets) Conversion Methods PPT's ,Videos, Quiz	Awareness of different types of functions & various ways to pass parameters to the functions	Small project done on global & local variables

Sl.	Month	No. of Instructional days	No. of periods	Chapters to be taught	Subject enrichment activities	Values to be imparted	Extra content to be taught
3	July	26	19	Ch-4 Understanding Python Libraries Ch-5 File Handling	Assertion Reason Question Objective based questions Type A,B and C Competency Based Questions (worksheets) Conversion Methods PPT's ,Videos, Quiz	Knowledge of different libraries Creation of text, binary & CSV files Implementation of different methods on different files	Implement extra header files in code snippets like tkinter, web etc Extra programs on files

Sl.	Month	No. of Instructional days	No. of periods	Chapters to be taught	Subject enrichment activities	Values to be imparted	Extra content to be taught
4	August	23	19	Ch-9 Data Structure Ch- 10 Computer Networks - I	Assertion Reason Question Objective based questions Type A,B and C Competency Based Questions (worksheets) Conversion Methods PPT's ,Videos, Quiz	Knowledge of data structure & implementation of stack Knows about history of internet Awareness of several networks, components, network terminologies etc	Extra Stack application based snippet performed Project on network protocols

Sl.	Month	No. of Instructional days	No. of periods	Chapters to be taught	Subject enrichment activities	Values to be imparted	Extra content to be taught
5	September	10	8	Revision & Half Yearly Exam	-	-	-

Sl.	Month	No. of Instructional days	No. of periods	Chapters to be taught	Subject enrichment activities	Values to be imparted	Extra content to be taught
6	October	19 16		Ch -11 Computer Networks-II Ch 12- & 13 Relational databases & simple queries in SQL	Assertion Reason Question Objective based questions Type A,B and C Competency Based Questions (worksheets) Conversion Methods PPT's ,Videos, Quiz	Understand the concepts of components of network & transmission media(Building Block network analysis) Implementation of SQL queries	Videos & charts shown on the concept of Networking & its component

Sl.	Month	No. of Instructional days	No. of periods	Chapters to be taught	Subject enrichment activities	Values to be imparted	Extra content to be taught
7	November	15	10	Ch- 14 & 15 Table creation & Grouping records, joins in SQL Ch- 16 Interface Python with Mysql	Assertion Reason Question Objective based questions Type A,B and C Competency Based Questions (worksheets) Conversion Methods PPT's ,Videos, Quiz	Usage of different data types	Different snippet on various types of list and tuples

Sl.	Month	No. of Instructional days	No. of periods	Chapters to be taught	Subject enrichment activities	Values to be imparted	Extra content to be taught
8	December	19	16	Revision & PREBOARD – I	-	-	-

Sl.	Month	No. of Instructional days	No. of periods	Chapters to be taught	Subject enrichment activities	Values to be imparted	Extra content to be taught
9	January	22	16	Revision & PREBOARD – II	-	-	-

Sl.	Month	No. of Instructional days	No. of periods	Chapters to be taught	Subject enrichment activities	Values to be imparted	Extra content to be taught
10	February	06	6	Revision & BOARD	-	-	-

SYLLABUS FOR EXAMINATION

SN	EXAMINATION	EXAMINATION'S MONTHS	MAX MARKS	Max Time	SYLLABUS FOR EXAMINATION
1	W_TEST – 1	July	20	1 Hr	Ch 1 to 4
2	W_TEST-2	Aug	20	1Hr	Ch 5 & 6
2	Half Yearly Examination	September	70	3 Hrs	Ch 1 to 5 & Ch 9 to 11
3	PRE BOARD-I	December	70	3 Hr	Full Syllabus
4	PRE BOARD-II	January	70	3 Hrs	Full Syllabus