

O. P. JINDAL SCHOOL, SAVITRINAGAR, TAMNAR

Annual Syllabus Break-up for the session 2024-2025

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	21	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

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2	June	11	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

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3	July	23	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

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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

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5	September	12	8	Revision & Half Yearly Exam	-	-	-

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6	October	20	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

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7	November	13	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

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8	December	19	16	Revision & PREBOARD – I	-	-	-

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9	January	22	16	Revision & PREBOARD – II	-	-	-

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10	February	15	6	Revision & BOARD EXAM	-	-	-

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