

# O. P. JINDAL SCHOOL, SAVITRINAGAR, TAMNAR

## Annual Syllabus Break-up for the session 2024-2025

**Subject: Computer Science (083) Class: XI**

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 Computer System Overview Ch-2 Data Representation	Assertion Reason Question Objective based questions Assignments Competency Based Questions Conversion Methods PPT's ,Videos, Quiz	Knowledge of components of computer & mobile system  Awareness of different conversions of number systems etc	Videos on mobile system organization

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2	June	11	6	Ch-3 Boolean Logic	Assertion Reason Question Objective based questions Type A,B and C Competency Based Questions (worksheets) Conversion Methods PPT's ,Videos, Quiz	Awareness of different logic gates ,laws & its implementation	Charts on basic gates shown for better understanding of I/O signals

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3	July	23	19	Ch-4 Emerging Trends Ch-5 Introduction to Problem solving Ch-6 Getting started with Python	Assertion Reason Question Objective based questions Type A,B and C Competency Based Questions (worksheets) Conversion Methods PPT's ,Videos, Quiz	Knowledge of latest technology like IOT, Bit coin, cloud computing, Machine learning etc. Creation of algorithms & flowcharts Implementation & installation of different s/w for Python	Usage of different technologies discussed in our day to day life App used for showing flowcharts

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4	August	23	19	Ch-7 Python Fundamentals Ch- 8 Data Handling	Assertion Reason Question Objective based questions Type A,B and C Competency Based Questions (worksheets) Conversion Methods PPT's ,Videos, Quiz	Knowledge of basic terminologies of Python Awareness of data with its different types	Several examples implemented for showing the concept of Python fundamental & different datatypes

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

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6	October	20	16	Ch -9 Flow of control Ch 10- String Manipulation	<b>Assertion Reason Question</b> <b>Objective based questions</b> <b>Type A,B and C</b> <b>Competency Based Questions (worksheets)</b> <b>Conversion Methods</b> <b>PPT's ,Videos, Quiz</b>	Understand the concepts of loops & conditional statements Implementation of string slicing	Discussed different program based on the looping concepts Imparting hands on system

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7	November	13	10	Ch- 11 List Manipulations Ch- 12 Tuples	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	Ch -13 Dictionaries Ch-14 Understanding Sorting Ch-15 Cyber Security	Assertion Reason Question Objective based questions Type A,B and C Competency Based Questions (worksheets) Conversion Methods PPT's ,Videos, Quiz	Importance of sorting Usage of dictionaries Awareness on cyber safety, learn about the laws	Different practicals performed for the better understanding of the topic

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9	January	22	16	Ch-16 Online Access & computer security Ch -17 Society, law & ethics	Assertion Reason Question Objective based questions Type A,B and C Competency Based Questions (worksheets) Conversion Methods PPT's ,Videos, Quiz	Awareness on various topics like digital society, , data protection ,e-waste management etc	Videos shown on the concept of e-waste management

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10	February	15	6	Revision & Yearly Exam	-	-	-

## **SYLLABUS FOR EXAMINATION**

<b>SN</b>	<b>EXAMINATION</b>	<b>EXAMINATION'S MONTHS</b>	<b>MAX MARKS</b>	<b>Max Time</b>	<b>SYLLABUS FOR EXAMINATION</b>
<b>1</b>	<b>W_TEST – 1</b>	<b>July</b>	<b>20</b>	<b>1 Hr</b>	<b>Ch 1 to 2</b>
<b>2</b>	<b>W_TEST – 2</b>	<b>Aug</b>	<b>20</b>	<b>1 Hr</b>	<b>Ch 3 to 5</b>
<b>2</b>	<b>Half Yearly Examination</b>	<b>September</b>	<b>70</b>	<b>3 Hrs</b>	<b>Ch 1 to 8</b>
<b>3</b>	<b>W_TEST – 3</b>	<b>November</b>	<b>20</b>	<b>1 Hr</b>	<b>Ch 9 to 11</b>
<b>4</b>	<b>W_TEST – 3</b>	<b>November</b>	<b>20</b>	<b>1 Hr</b>	<b>Ch 12 to 14</b>
<b>5</b>	<b>Yearly Examination</b>	<b>February</b>	<b>70</b>	<b>3 Hrs</b>	<b>Ch 1 to 17</b>