

O. P. JINDAL SCHOOL, SAVITRINAGAR, TAMNAR

Annual Syllabus Break-up for the session 2026-2027

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	24	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	13	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	26	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	22	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	10	8	Revision & Half Yearly Exam	-	-	-

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6	October	19	16	Ch -9 Flow of control Ch 10- String Manipulation	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 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	15	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	17	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	23	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	6	3	Revision & Yearly 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 2
2	W_TEST – 2	Aug	20	1 Hr	Ch 3 to 5
2	Half Yearly Examination	September	70	3 Hrs	Ch 1 to 8
3	W_TEST – 3	November	20	1 Hr	Ch 9 to 11
4	W_TEST – 3	November	20	1 Hr	Ch 12 to 14
5	Yearly Examination	February	70	3 Hrs	Ch 1 to 17