

N. C. JINDAL PUBLIC SCHOOL,PUNJABI BAGH, NEW DELHI

ANNUAL CURRICULUM (2025-26)

CLASS:XI	SUBJECT:Computer Science		SUBJECT TEACHER:Vijay Lakshmi Gupta		DESIG: PGT -Computer Science		
Syllabus Topic	Academic Book	Chapter	Chapter Topic	Term	Start Date	End Date	No. of Periods
	Computer Sc. With Python by preeti Arora	Computer System & Organisation	Intoduction	I	1-7-2025	3-7-2025	2
			Basic Components of a computer System	I			
			Software Concepts	I			
			Concept of Operating System	I			
		Getting started with Python	Introduction &Features of Python	I	4-7-2025	8-7-2024	4
		Python Programming Fundamentals	Introduction	I	9-7-2025	16-7-2024	6
			Variables and Types	I			
			Keywords	I			
			Expressions	I			
			Operators	I			
			User Input	I			
			User defined Functions	I			
			Indentation In python	I			
			Tokens	I			
			Comments	I			
		Conditional and Looping Constructs	Introduction	I	17-07-2025	04-08-2025	15
			Decision Making	I			
			Iterations	I			
			Nested Loops	I			
			Jump Statements	I			
		Data Representation & Boolean Logic	Introduction	I	5-8-2025	26-8-2025	15
			Number System	I			
			Boolean Logic	I			
			Boolean Operators, Truth table, Logic Gates	I			
			Demorgans Theoram	I			
		REVISION			27-8-2025	11-9-2025	12
		Strings in Python	Introduction	II	3-10-2025	30-10-2025	13
			Special String Operators	II			
			Strings Are Immutable	II			
			Strings Methods & Built-In Functions	II			
		List in Python	Introduction	II	31-10-2025	27-11-2025	20
			List	II			
			Operations on List	II			
			Built- In Functions	II			
			Deletion Operator	II			
			Sorting	II			
		Tuples and Dictionary	Introduction	II	28-11-2025	20-12-2025	18
			Tuples	II			
			Tuple Creation	II			
			Nesting Of Tuples	II			
			Accesing And Treversing a Tuple	II			
			Common Tuple Operations	II			
			Comparing Tuples	II			
			Dictionary in Python	II			

			Create, Traversing, Append, Update, Remove Item from a Dictionary	II			
			IN & Not In membership Operator	II			
			Common Dictionary Functions and Methods	II			
		Introduction to Python modules	Importing module using 'import <module>' and using from statement	II	22-12-2025	31-12-2025	7
			Importing math module (pi, e, sqrt, ceil, floor, pow, fabs, sin, cos, tan); random module (random, randint, randrange)				
			statistics module (mean, median, mode)				
		Society, Law and Ethics	Introduction	II	16-1-2026	23-1-2026	7
			• Digital Footprints	II			
			• Digital society and Netizen: net etiquettes, communication etiquettes, social media etiquettes	II			
			• Data protection: Intellectual Property Right (copyright, patent, trademark), violation of IPR (plagiarism, copyright infringement, trademark infringement), open source softwares and licensing (Creative Commons, GPL and Apache)	II			
			• Cyber-crime: definition, hacking, eavesdropping, phishing and fraud emails, ransomware, preventing cyber crime	II			
			• Cyber safety: safely browsing the web, identity protection, confidentiality, cyber trolls and bullying.	II			
			• Safely accessing web sites: malware, viruses, trojans, adware	II			
			• E-waste management: proper disposal of used electronic gadgets	II			
			• Indian Information Technology Act (IT Act)	II			
			• Technology & Society: Gender and disability issues while teaching and using computers	II			
		Project Work		II	27-1-2026	7-2-2026	6
		Revision		II	09-02-2026	20-02-2026	10

N. C. JINDAL PUBLIC SCHOOL, PUNJABI BAGH, NEW
Periodic Test Schedule(2025-26)

CLASS: XI

SUBJECT: Computer Science		
Sl. No.	Chapter/Topic	Max. Marks-20
PT-1	Introduction to computer system	5
	Getting started with Python	5
PT-2	Python Programming Fundamentals	10
	List in Python	8
	Strings	8
	Introduction of Tuples & Dictionary	4

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Half Yearly Exam: 2025-26

CLASS:XI	SUBJECT:Computer Science	
Sl. No.	Chapter/Topic	Max. Marks
1	Computer System & Organisation	10
2	Getting started with Python	40
3	Python Programming Fundamentals	
4	Conditional and Looping Constructs	
5	Data Representation & Boolean Logic	20
	Total (Theory)	70
	Total (Practical)	30
	Total	100

N. C. JINDAL PUBLIC SCHOOL, PUNJABI BAGH, NEW DELHI
ANNUAL EXAM Marking Scheme: 2025-26

CLASS:XI	SUBJECT: Computer Science	
Sl. No.	Chapter/Topic	Max. Marks
1	Computational Thinking and Programming - 1	50
2	Society, Law and Ethics	20
	Total(Theory)	70
	Total(Practical)	30
	Total	100