



N.C. JINDAL PUBLIC SCHOOL

Road No.-73, PUNJABI BAGH (W), NEW DELHI-110026

ANNUAL CURRICULUM (2026-27)

CLASS:XI		SUBJECT:Computer Science		SUBJECT TEACHER: Mrs.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	16-4-2026	17-4-2026	2	
			Basic Components of a computer System	I	18-4-2026	18-4-2026	1	
			Basic Components of a computer System	I	20-4-2026	21-4-2026	2	
			Input /Output Devices	I	22-04-2026	22-04-2026	1	
			Hardware/Software	I	23-4-2026	23-4-2026	1	
			Memory:RAM,ROM	I	24-02-2026	24-02-2026	1	
			Storage Devices	I				
			Software Concepts	I	27-4-2026	27-4-2026	1	
			Concept of Operating System	I	28-04-2026	28-04-2026	1	
			Different Language Translators	I	29-04-2026	29-04-2026	1	
		Boolean Logic	Different Gates: OR AND NOT NAND NOR XOR	I	30-4-2026	2-5-2026	3	
			Truth Table	I	4-5-2026	6-5-2026	3	
			Logic Circuits	I	7-5-2026	8-5-2026	2	
			De-Morgan's Law	I	11-5-2026	11-5-2026	1	
		Number System	Introduction	I	12-5-2026	12-5-2026	1	
			Conversion between number system	I	13-5-2026	16-5-2026	4	
		Getting started with Python	Introduction &Features of Python	I	1-7-2026	3-7-2026	3	
		Python Programming Fundamentals	Introduction	I	4-7-2026	4-7-2026	2	
			Variables and Types	I	6-7-2026	7-7-2026	2	
			Keywords	I				
			Expressions	I	8-7-2026	8-7-2026	1	
			Operators	I	9-7-2026	10-7-2026	2	
			User Input	I	13-7-2026	13-7-2026	1	
			User defined Functions	I	14-7-2026	14-7-2026	1	
			Indentation In python	I				
			Tokens	I	15-7-2026	16-7-2026	2	
			Comments	I				

		Conditional and Looping Constructs		I	17-07-2026	18-07-2026	2
			Introduction				
			Decision Making	I	20-07-2026	21-07-2026	2
			Iterations	I	22-07-2026	23-07-2026	2
			Range Function	I	24-07-2026	24-07-2026	1
			For Loop	I	27-07-2026	28-07-2026	2
			While Loop	I	29-07-2026	01-08-2026	3
			Nested Loops	I	03-08-2026	05-08-2026	3
			Jump Statements	I	06-08-2026	07-08-2026	2
		Strings in Python					
			Introduction	I	10-8-2026	12-8-2026	3
			Traversing a string using loops	I	13-8-2026	14-8-2026	2
			Special String Operators	I	17-8-2026	18-8-2026	2
			Strings Are Immutable	I	19-8-2026	22-8-2026	
			Built in String Function apitalize(), title(), lower(), upper(), count(), find(), index(), isalnum(), isalpha(), isdigit(), islower(), isupper(), isspace(),lstrip(),rstrip(), strip(), replace(), join(), partition(), split()	I	24-8-2026	29-8-2026	5
		REVISION			31-8-2026	10-9-2026	12
		List in Python					
			Introduction	II	1-10-2026	3-10-2026	2
			List	II	6-10-2026	9-10-2026	4
			Indexing	II			
			Operations on List (concatenation, repetition, membership and slicing)	II	12-10-2026	17-10-2026	5
			Built- In Functions len(), list(), append(), extend(), insert(), count(), index(), remove(), pop(), reverse(), sort(), sorted(), min(), max(), sum(); nested lists	II	21-10-2026	24-10-2026	4
			Deletion Operator	II	27-10-2026	28-10-2026	2
			Programs on Lists	II	30-10-2026	31-10-2026	2
		Tuples and Dictionary					
			Introduction	II	2-11-2026	2-11-2026	1
			Tuples	II			
			Tuple Creation	II	3-11-2026	6-11-2026	4
			Indexing	II			
			Tuple operations: len(), tuple(), count(), index(), sorted(), min(), max(), sum()	II	12-11-2026	13-11-2026	2
			Nesting Of Tuples	II			
			Accessing And Treversing a Tuple	II	16-11-2026	18-11-2026	3
			Common Tuple Operations	II			
			Comparing Tuples	II			
			Programs on Tuples	II	19-11-2026	21-11-2026	3
		Dictionary					
			Dictionary in Python	II	23-11-2026	23-11-2026	1
			Create, Traversing, Append, Update, Remove Item from a Dictionary	II	25-11-2026	27-11-2026	3

			Traversing a Dictionary	II	27-11-2026	27-11-2026	3
			Built in functions:len(), dict(), keys(), values(), items(), get(), update(), del, clear(), fromkeys(), copy(), pop(), popitem(),	II	30-11-2026	02-12-2026	3
			IN & Not In membership Operator	II	03-12-2026	05-12-2026	3
			Programs related to Dictionary	II	07-12-2026	11-12-2026	5
		Introduction to Python modules	Importing module using 'import <module>' and using from	II	14-12-2026	15-12-2026	2
			Importing math module (pi, e, sqrt, ceil, floor, pow, fabs, sin, cos, tan); random module (random, randint, randrange)	II	16-12-2026	19-12-2026	4
			statistics module (mean, median, mode)	II			
		Society, Law and Ethics	Introduction	II	21-12-2026	23-12-2026	3
			<ul style="list-style-type: none"> Digital Footprints 	II	24-12-2026	24-12-2026	1
			<ul style="list-style-type: none"> Digital society and Netizen: net etiquettes, communication etiquettes, social media etiquettes 	II			
			<ul style="list-style-type: none"> 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	28-12-2026	29-12-2026	2
			<ul style="list-style-type: none"> Cyber-crime:definition, hacking, eavesdropping, phishing and fraud emails, ransomware, preventing cyber 	II			
			<ul style="list-style-type: none"> Cyber safety: safely browsing the web, identity protection, confidentiality, cyber trolls and bullying. 	II			
			<ul style="list-style-type: none"> Safely accessing web sites: malware, viruses,trojans, adware 	II	30-12-2026	31-12-2026	2
			<ul style="list-style-type: none"> E-waste management: proper disposal of used electronic gadgets 	II			
			<ul style="list-style-type: none"> Indian Information Technology Act (IT Act) 	II			
			<ul style="list-style-type: none"> Technology & Society: Gender and disability issues while teaching and using computers 	II			
		Project Work		II	16-1-2027	6-2-2027	12
		Revision		II	08-02-2027	20-02-2027	10



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Periodic Test Schedule(2026-27)

CLASS: XI

SUBJECT: Computer Science

S. 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: 2026-27

CLASS:XI	SUBJECT:Computer Science	
S. 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



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ANNUAL EXAM Marking Scheme: 2026-27

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