

N. C. JINDAL PUBLIC SCHOOL, PUNJABI BAGH, NEW DELHI
Half Yearly Exam: 2024-25

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: 2024-25**

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

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

ANNUAL CURRICULUM (2024-25)

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	1-7-2024	3-7-2024	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	4-7-2024	7-7-2024	4
		Python Programming Fundamentals			10-7-2024	15-7-2024	6
			Introduction	I			
			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			17-07-2024	04-08-2024	15
			Introduction	I			
			Decision Making	I			
			Iterations	I			
			Nested Loops	I			
			Jump Statements	I			
		Data Representation & Boolean Logic			5-8-2024	25-8-2024	15
			Introduction	I			
			Number System	I			
			Boolean Logic	I			
			Boolean Operators, Truth table, Logic Gates	I			
			Demorgans Theoram	I			
		REVISION			27-8-2024	11-9-2024	12
		Strings in Python	Introduction	II	3-10-2024	19-10-2024	13
			Special String Operators	II			
			Strings Are Immutable	II			
			Strings Methods & Built-In Functions	II			
		List in Python	Introduction	II	25-10-2024	24-11-2024	20
			List	II			
			Operations on List	II			

			Built- In Functions	II			
			Deletion Operator	II			
			Sorting	II			
		Tuples and Dictionary	Introduction	II	28-11-2024	22-12-2024	17
			Tuples	II			
			Tuple Creation	II			
			Nesting Of Tuples	II			
			Accessing 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	26-12-2024	30-12-2024	5
			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	16-1-2024	25-1-2024	9
			• 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			

			<ul style="list-style-type: none"> • Cyber-crime: definition, hacking, eavesdropping, phishing and fraud emails, ransomware, preventing cyber crime 	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			
			<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	29-1-2025	5-2-2025	6
		Revision		II	06-02-2025	12-02-2025	6

N. C. JINDAL PUBLIC SCHOOL, PUNJABI BAGH, NEW
Periodic Test Schedule(2024-25)

CLASS: XI

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