

N. C. JINDAL PUBLIC SCHOOL, PUNJABI BAGH, NEW DELHI
Half Yearly Exam: 2022-23

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: 2022-23**

CLASS: XI	SUBJECT: Computer Science	
Sl. No.	Chapter/Topic	Max. Marks
1	Computer Systems and Organisation	10
2	Computational Thinking and Programming - 1	45
3	Society, Law and Ethics	15
	Total(Theory)	70
	Total(Practical)	30
	Total	100

N. C. JINDAL PUBLIC SCHOOL,PUNJABI BAGH, NEW DELHI
ANNUAL CURRICULUM (2022-23)

CLASS:XI	SUBJECT:Computer Science		SUBJECT TEACHER:Vijay Lakshmi Gupta		DESIG: PGT -Computer Science		
Syllabus Topic	Academic Book	Chapter	Chapter Topic	Periodic Test	Start Date	End Date	No. of Periods
	Computer Sc. With Python by preeti Arora	Computer System & Organisation	Intoduction		1/7/2022	8/7/2022	7
			Basic Components of a computer System				
			Mobile System organisation				
			Software Concepts				
			Concept of Operating System				
			Cloud Computing				
			Getting started with Python	Introduction &Features of Python		11/7/2022	16/07/2022
		Python Programming Fundamentals	Introduction		18/07/2022	29/7/2022	10
			Variables and Types				
			Keywords				
			Expressions				
			Operators				
			User Input				
			User defined Functions				
			Indentation In python				
			Tokens				
			Comments				
		Conditional and Looping Constructs	Introduction		1/8/2022	26/08/2022	18

			Decision Making	I			
			Iterations	I			
			Nested Loops	I			
			Jump Statements	I			
		Data Representation & Boolean Logic	Introduction	I	29/08/2022	9/9/2022	10
			Number System	I			
			Boolean Logic	I			
			Boolean Operators, Truth table, Logic Gates	I			
			Demorgans Theoram	I			
		Revision			12/9/2022	15/09/2022	4
		Strings in Python	Introduction	II	6/10/2022	21/10/2022	11
			Special String Operators	II			
			Strings Are Immutable	II			
			Strings Methods & Built-In Functions	II			
		List in Python	Introduction	II	27/10/2022	19/11/2022	17
			List	II			
			Operations on List	II			
			Built- In Functions	II			
			Deletion Operator	II			
			Sorting	II			
		Tuples and Dictionary	Introduction	II	18/11/2022	2/12/2022	12
			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	5/12/2022	23/12/2022	14
			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	26/12/2022	21/01/2023	12
			<ul style="list-style-type: none"> Digital Footprints 	II			
			<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			
			<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	23/01/2023	24/02/2023	24

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Periodic Test Schedule(2022-23)

CLASS: XI

SUBJECT: Computer Science		
Sl. No.	Chapter/Topic	Max. Marks-20
PT-1	Number System	5
	Getting started with Python	5
	Python Programming Fundamentals	10
PT-2	List in Python	12
	Introduction of Tuples & Dictionary	8