

XII CS CBSE SAMPLE PAPER BLUEPRINT 2022-23

SECTIONS	TOTAL QUES	MARKS	QUES TYPE	TOTAL MARKS
SECTION A	18	1 MARK		18
SECTION B	7	2 MARK	VSA	14
SECTION C	5	3 MARK	SA	15
SECTION D	3	5 MARK	LA	15
SECTION E	2	4 MARK		8
	35			70

SECTIONS→	A(1)	B(2)	C(3)	D(5)	E(4)
UNIT1					
Revision of Python topics covered in Class XI.	7	3		1(2MARK) OR	
Functions:	1		1	1(2MARK) OR	
Introduction to files	1				
Text file:			1		
Binary file:	1				1
CSV file:	1			1	
Data Structure:			1		
UNIT2					
Evolution of networking:					
Data communication terminologies:		1 OR			
Transmission media:				1	
Network devices					
Network topologies and Network types:					
Network protocol:	1	1			
Introduction to web services:		1 OR			
UNIT3					
Database concepts:					
Relational data model:	1	1			1
Structured Query Language:	4	1	2		
Interface of python with an SQL database:	1			1(3MARK)OR 1(3MARK)	
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XII IP CBSE SAMPLE PAPER BLUEPRINT 2022-23

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SECTIONS→	A(1)	B(2)	C(3)	D(5)	E(4)
Unit 1: Data Handling using Pandas -I					
Introduction to Python libraries- Pandas, Matplotlib.	1			1	
Series:	1	2			
Data Frames:	2	1	2		1
Importing/Exporting Data between CSV files and Data Frames.					
Unit 2: Database Query using SQL					
Math functions:					
Text functions:			1	1	1
Date Functions:	1				
Aggregate Functions:	5	1	1OR		
Group by, Having, Order by		1	1OR		
Unit 3: Introduction to Computer Networks					
Introduction to networks, Types of network: LAN, MAN, WAN.	1	1 OR		1	
Network Devices: modem, hub, switch, repeater, router, gateway					
Network Topologies: Star, Bus, Tree, Mesh.					
Introduction to Internet, URL, WWW, and its applications- Web, email, Chat, VoIP.					
Website: Introduction, difference between a website and webpage, static vs dynamic web page, web server and hosting of a website.		1 OR			
Web Browsers: Introduction, commonly used browsers, browser settings, add-ons and plug-ins, cookies.	2				
Unit 4: Societal Impacts					
Digital footprint, net and communication etiquettes, data protection, intellectual property rights (IPR), plagiarism, licensing and copyright, free and open source software (FOSS), cybercrime and cyber laws, hacking, phishing, cyber bullying, overview of Indian IT Act.	4	1	1		
E-waste: hazards and management. Awareness about health concerns related to the usage of technology.	1				
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