

**SANT NANDLAL SMRITI VIDYA MANDIR, GHATSILA**

**SYLLABUS - STD XII SCIENCE**

SESSION 2026-27

**SUBJECT – COMPUTER SCIENCE**



Month	No of Working Days	Topic to be Taught	Activities	Learning Outcomes	Values & Skills Imparted	Assessment
<b>April</b>	23	Data base Concepts, Review of Python Basics	Programming in SQL	Students learn about the programming feature and concept	Students will learn real life application and technology.	Exercise of Ch-1 & Ch-8
		Data base Concepts, Review of Python Basics	Programming in SQL		Values- Dignity, Truthfulness, fairness & Responsibility	Exercise of Ch-1 & Ch-8
		Data base Concepts, Review of Python Basics	Programming in SQL			Exercise of Ch-1 & Ch-8
		Revision & class Test	Programming in SQL			
<b>May</b>	8	Relational Database, Review of Python Basics	Programming in SQL & Python	Students learn how the program works in backend	Students will learn real life application and technology.	Exercise of Ch-1
		Relational Database, Review of Python Basics	Programming in SQL & Python		Values- Dignity, Truthfulness, fairness & Responsibility	Exercise of Ch-1 & Ch-8
<b>June</b>	11	Relational Database, Functions	Programming in SQL & Python	Students learn how the program works in backend and frontend	Students will develop their skills on data and collection of data on people or things, which will be used to support the activities of particular organization .	Exercise of Ch-2 & Ch-8
		Relational Database, Functions	Programming in SQL & Python			Exercise of Ch-2 & Ch-8
<b>July</b>	26	Relational Database, Functions	Programming in SQL & Python		Values- Dignity, Truthfulness, fairness	Exercise of Ch-2 & Ch-8

					& Responsibility.	
		Relational Database, Using Python Libraries	Programming in SQL & Python, Project Work	Students learn different types of data used in programming		Exercise of Ch-3 & Ch-8
		SQL, Using Python Libraries	Programming in SQL & Python, Project Work			Exercise of Ch-3 & Ch-8
		1 <sup>st</sup> Pre Term Test	Programming in SQL & Python, Project Work			
<b>August</b>	23	SQL, Data File Handling	Programming in SQL & Python, Project Work			Exercise of Ch-4 & Ch-8
		SQL, Data File Handling	Programming in SQL & Python, Project Work	Students learn the file types and their uses	Students will develop their skills on data and collection of data on people or things, which will be used to support the activities of particular organization.	Exercise of Ch-4 & Ch-8
		SQL, Data File Handling	Programming in SQL & Python, Project Work		Values- Dignity, Truthfulness, fairness & Responsibility.	Exercise of Ch-4 & Ch-8
		SQL, Data File Handling	Programming in SQL & Python, Project Work			Exercise of Ch-4 & Ch-8
		SQL, Data File Handling	Programming in SQL & Python, Project Work			Exercise of Ch-4 & Ch-8
<b>September</b>	23	SQL, Data File Handling	Programming in SQL & Python, Project Work			Exercise of Ch-4 & Ch-8
		Computer Networks	Programming in SQL & Python, Project Work	Students learn real work architecture of network and link the frontend program with backend program	Students develop their skills to solve more complex code and to be able to solve more difficult problems.	Exercise of Ch-7
		Half Yearly Exam	Programming in SQL & Python, Project Work			
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		Computer Networks	Programming in		Students	Exercise of

<b>October</b>	16		SQL & Python, Project Work		will able to cover the relationship between database and python program.	Ch-7
		Computer Networks, Data Structure in Python	Programming in SQL & Python, Project Work		Students learn real work architecture of network. Values- Dignity, Truthfulness, fairness & Responsibility.	Exercise of Ch-6 & Ch-7
		Computer Networks, Data Structure in Python	Programming in SQL & Python, Project Work			Exercise of Ch-6 & Ch-7
<b>November</b>	19	Computer Networks, Data Structure in Python	Programming in SQL & Python, Project Work	Students learn real work architecture of network and link the frontend program with backend program		Exercise of Ch-6 & Ch-7
		Revision & Test	Programming in SQL & Python, Project Work			
		Computer Networks, Interface Python with SQL	Programming in SQL & Python, Project Work			Exercise of Ch-7 & Ch-9
		Computer Networks, Interface Python with SQL	Programming in SQL & Python, Project Work			Exercise of Ch-7 & Ch-9
<b>December</b>	19	Interface Python with SQL	Programming in SQL & Python, Project Work	Students learn real work architecture of network and link the frontend program with backend program and real life based application		Exercise of Ch-9
		Interface Python with SQL	Programming in SQL & Python, Project Work			Exercise of Ch-9
		1 <sup>st</sup> Pre Board Exam	Project Work			
<b>January</b>	20	2 <sup>nd</sup> Pre Board Exam	Project Work			
		Revision	Project Work			
		Revision				
		Revision				
<b>February</b>	23	Revision				
		Revision				
		Board Exam				
		Board Exam				