AIR FORCE SCHOOL HASIMARA
SPLIT UP SYLLABUS
2023-24

Class : XII Sc   **Sub : Physics (042)**

Book : NCERT

MONTH	WEEK DATES	PERIOD REQUIRED	NAME OF THE CHAPTER	REMARKS
April	03-08	03	CH1: Electric Charges & Fields	Self-assessment Exercise questions &
	10-15	06	CH1: Electric Charges & Fields	
	17-22	05	CH2: Electrostatic Potential & Capacitance	
	24-29	06	CH2: Electrostatic Potential & Capacitance	
May	01-06	05	CH3: Current Electricity	Self-assessment
Summer Vacation (8 May – 16 June)				
June	17	01	CH3: Current Electricity	Self assessment Exercise questions &
	19-24	06	CH3: Current Electricity	
	26-30	05	CH3: Current Electricity	
Jul	01	01	CH3: Current Electricity	Self assessment Exercise questions &
	03-08	03	CH4: Moving Charges & Magnetism	
	10-15	06	CH4: Moving Charges & Magnetism	
	17-22	05	CH4: Moving Charges & Magnetism	
	24-29	06	**PT1** Magnetism & Matter	Revision
	31	01	CH5: Magnetism & Matter	
Aug	01-05	05	CH5: Magnetism & Matter	Self assessment Exercise questions
	07-12	05	CH6: Electromagnetic Induction	
	14-19	05	CH6: Electromagnetic Induction	
	21-26	06	CH7: Alternating Current	
	28-31	04	CH7: Alternating Current	

Sept	01-02	02	Revision & Class Test	
	04-09	04	**4th Sept-16th Sept- TERM-1 EXAMINATION – I to XII**	
	11-16	06		
	18-23	05	CH8: Electromagnetic Wave	
	25-30	05	CH9: Ray Optics & Optical Instruments	Self assessment Exercise questions & Activities
Oct	02-07	05	CH9: Ray Optics & Optical Instruments	
	09-14	05	CH9: Ray Optics & Optical Instruments	
	16-19	04	CH10: Wave Optics	
	-	-	**Autumn Break (20th Oct – 29th Oct)**	
	30-31	02	CH10: Wave Optics	
Nov	01-04	04	CH10: Wave Optics	Self assessment Exercise questions
	06-11	05	CH11: Dual Nature of Radiation & Matter	
	13-18	04	CH11: Dual Nature of Radiation & Matter	
	20-25	05	CH12: Atoms	
	27-30	03	CH12: Atoms	
Dec	01-02	02	CH13: Nuclei	
	04-09	05	**15th Nov to 30th Nov Class-I-XII (2nd - PT)** CH13: Nuclei	
	11-16	06	CH14: Semi conductor Electronics: Materials, Devices & Simple Circuits	
	18-23	06	CH14: Semi conductor Electronics: Materials, Devices & Simple Circuits CH 15: Communication System	
			-Winter Break (25th Dec '23 – 13th Jan '24)	
Jan	15-20	06	Revision/ Previous Year Questions	
	22-27	05		
	29-31	03		
Feb	01-03	03		
	05-10	05		
	12-17	06		
	19-24	06		
	26-29	04		
Mar			Preparatory leave for Board Exam	

Name of the teacher : Mr S Paul

PGT (Phy)

Class-XII   SUBJECT-MATHEMATICS (041)

NAME OF THE TEXT BOOK- NCERT

Month	Week Dates	Period Required	Name Of The Chapter	Remarks
April	03-08	5	Relation & Functions: Introduction of relations, functions using **Smart Learning Module** of **Extra Marks**	Self-assessment, Exercise questions & Activities
	10-15	9	Inverse Trigonometric Functions	
	17-22	9	Inverse Trigonometric Functions/ Matrices	
	24-29	9	Class Test / Matrices	
May	01-06	5	Matrices /Determinants	Self-assessment, Home works, Assignments will be given for summer vacation.
Summer Vacation: 8ᵗʰMay - 16ᵗʰJun				
June	17	1	Determinants	Self-assessment, Exercise questions
	19-24	9	Determinants	Exercise questions & Activities, summer vacation homework, assignment checking.
	26-30	9	Determinants /Continuity & Differentiability	Self-assessment, Exercise questions
Jul	01	1	Continuity & Differentiability	
	03-08	5	Continuity & Differentiability	
	10-15	6	Continuity & Differentiability	
	17-22	6	**1ˢᵗ Periodic Test- I** Continuity & Differentiability	Self-assessment Exercise questions & Activities
	24-29	5	Continuity & Differentiability	
	31	1	Continuity & Differentiability/ Application of Derivatives	Exercise questions
Aug	01-05	5	Application of Derivatives	
	07-12	5	Application of Derivatives/ Integrals	
	14-19	5	Integrals	
	21-26	6	Integrals	
	28-31	4	Integrals	

Month	Week Dates	Periods Required	Name Of The Chapter	Remarks
Sep	01-02	2	Revision	Self-assessment , Exercise questions
	04-09	5	**Half Yearly EXAMINATION**	Solving Sample paper
	11-16	6		

	18-23	5		
	25-30	5	Integrals / Application of Integrals	Self-assessment Exercise questions & Activities
Oct	02-07	9	Application of Integrals	Self-assessment , Exercise questions
	09-14	9	Application of Integrals/ Differential Equations	
	16-19	6	Differential Equations	
	Autumn Break : 20th Oct '23 - 29th Oct '23			
	30-31	2	Differential Equations/ Vectors	Self-assessment , Exercise questions
Nov	01-04	5	Vectors	Self-assessment , Exercise questions
	06-11	9	Vectors/ Three Dimensional Geometry	
	13-18	9	Three Dimensional Geometry	
	20-25	9	Three Dimensional Geometry/ Probability	
	27-30	5	Probability	Revision Test for Pre-Board
Dec	01-02	2	Probability	
	04-09	5	**Pre- Board 1**	
	11-16	6		
	18-23	6	Revision/Board Sample-Paper/Model Question Paper	Self-assessment Exercise questions
	Winter Break : 25 Dec 23 – 13 Jan 24			
Jan	15-20	6	**Common Pre-Board Exam**	
	22-27	5		
	29-31	3	CBSE Practical	
Feb	01-03	3	AISSCE	
	05-10	5		
	12-17	6		
	19-24	6		
	26-29	4		
Mar	01-02	2		
	04-09	5		
	11-16	6		
	18-23	6		
	25-30	6		

Name of the teacher Ranitava Bhattacherjee
                PGT (Maths)

AIR FORCE SCHOOL HASIMARA
SPLIT UP SYLLABUS
2023-24

CLASS: XII   SUB: English

Name of the Book:

MONTH	WEEK	PERIOD REQUIRED	TOPIC	ASSIGNMENT
April	3-6	4	F:Prose-The Last Lesson Poetry -My Mother at Sixty -Six	Comprehension practice Short questions and MCQ will be practiced from Extra Marks Textual Exercises will be completed
	10-15	6	V- The Third Level Writing: Notice, Formal Invitation F: Lost Spring V:Journey to the End of the Earth	Comprehension practice, Vocabulary and dictionary skills
	17-21	5		
	24-29	7		Class Test
May	1-6	7	F:Prose -The Rattrap	Comprehension practice Short questions and MCQ will be practiced from Extra Marks
June	19-23	5	F:Prose – Indigo Poetry -A Thing of Beauty V: The Enemy	Textual Exercises will be completed
	26-30	6		Comprehension practice, Vocabulary and dictionary skills
July	1	1	Writing: Report F:Prose -Poets and Pancakes F: Poetry -A Road Side Stand	Comprehension practice , Short questions and MCQ will be practiced from Extra Marks
	3-7	6		Textual Exercises will be completed
	10-15	7	Writing: Article, Informal Invitation F:Prose -The Interview Writing: Editorial Letter	Comprehension practice, Vocabulary and dictionary skills .Comprehension practice, Short questions and MCQ will be practiced from Extra Marks
	17-22	7		
	24-29	3		
	31	1		
Aug	1-5	5	F: Prose – Going Places V: Should Wizard Hit Mommy? V:On The Face of it W: Comprehension , Report F: Poetry -Aunt Jennifer Tiger's	Textual Exercises will be completed
	7-1	5		Comprehension practice, Vocabulary and dictionary skills
	14-19	5		
	21-26	7		
	28-31	4		
Sep	1-2	1	**Revision** **Half Yearly Exam**	
	4-8	4		
	11-16	7		
	18-23	7		
	25-30	5		

MONTH	WEEK	ALLOTTED DAY	TOPIC	ASSIGNMENT
Sep	1-2	1	**W: Report** **V: Memories of Childhood** **V: Poetry – An Elementary School Classroom in a Slum** **F:Prose -Deep Water** **V: The Tiger King**	Comprehension practice, Vocabulary and dictionary skills Comprehension practice, Short questions and MCQ will be practiced from Extra Marks
	4-8	4		Textual Exercises will be completed
	11-16	7		
	18-23	7		
	25-30	5		
Oct	3-7	5	**W: Invitation Reply** **Comprehension** **F: Poetry: Keeping Quiet**	Comprehension practice, Short questions and MCQ will be practiced from Extra Marks
	9-13	6		Comprehension practice, Vocabulary and dictionary skills
	16-20	6		
	31	1		Textual Exercises will be completed
Nov	1-4	5	**V:Evans Tries An O-Level** **Revision from section A** **Revision from section B**	Comprehension practice, Short questions and MCQ will be practiced from Extra Marks
	6-10	6		Textual Exercises will be completed
	13-18	7		Comprehension practice, Vocabulary and dictionary skills
	20-25	7		
	27-30	4		
Dec	1-2	2	**Revision from section C** **Revision for Pre Board Exam**	Comprehension practice, Short questions and MCQ will be practiced from Extra Marks
	4-8	6		
	11-16	7		
	18-23	7		
Jan	15-20	7		
	22-27	7		
	29-31	3		
Feb	1-3	3		
	5-9	5		
	12-17	7		
	19-24	7		
	26-29	4		
Mar	1-3	1		
	6-10	3		
	13-17	3		
	20-24	3		
	27-31	3		

Name of the teacher : Mrs A Barua
PGT (Eng)

AIR FORCE SCHOOL HASIMARA
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CLASS-XII   **SUBJECT : CHEMISTRY**

MONTH	WEEKLY DATES	PERIODS REQUIRED	TOPICS/ SUB-TOPICS	ASSIGNMENTS
APRIL	1	-		
	3-8	03	Haloalkanes and Haloarenes	Exercise & Activity given in the Textbooks
	10-15	06	Haloalkanes and Haloarenes	
	17-22	05	Haloalkanes and Haloarenes	
	24-29	06	Solid State	Class Test
MAY	1-6	05	Solutions	Exercise & Activity given in the Textbooks
SUMMER VACATION : 8 May – 16 June				
JUNE	17	01	Alcohols, Phenols and Ethers	Exercise & Activity given in the Textbooks
	19-24	06	Alcohols, Phenols and Ethers	
	26-30	04	Revision	
JULY	1	01	Revision	Exercise & Activity given in the Textbooks
	3-8	05	Adehydes, Ketones and Carboxylic Acids	
	10-15	06	Adehydes, Ketones and Carboxylic Acids	
	17-22	06	Periodic Test – 1 (Tentative)	
	24-29	05	Electrochemistry	
	31	01	Electrochemistry	
AUGUST	1-5	05	General Principles and Processes of Isolation of Elements	Exercise & Activity given in the Textbooks
	7-12	05		
	14-19	05	p-Block Elements	
	21-26	06	p-Block Elements	
	28-31	04	Revision/ Previous Years Questions Revision/ Previous Years Questions	
SEPTEMBER	1-2	02	Revision/ Previous Years Questions	Exercise & Activity given in the Textbooks
	4-9	04		
	11-16	06	Term -1 (Tentative)	
	18-23	05		
	25-30	05	Chemical Kinetics Surface Chemistry	
OCTOBER	2-7	05	d- and f- Block Elements	Exercise & Activity given in the Textbooks
	9-14	05	Coordination Compounds	
	16-19	04	Organic Compounds Containing Nitrogen	
AUTUMN BREAK : 20 Oct – 29 Oct				
	30-31	02	Biomolecules	
NOVEMBER	1-4	04	Biomolecules	Exercise & Activity given in the Textbooks
	6-11	05	Polymers	
	13-18	06	Chemistry in Everyday Life	
	20-25	06	Revision	
	27-30	03	Revision	

MONTH	WEEKLY DATES	PERIODS REQUIRED	TOPICS/ SUB-TOPICS	ASSIGNMENTS
DECEMBER	1-2 4-9 11-16 18-23	02 05 06 06	Revision / Previous Years Questions 1st Pre-Board Exam (Tentative)	Exercise & Activity given in the Textbooks
WINTER BREAK : 25 Dec 23 – 13 Jan 24				
JANUARY	15-20 22-27 29-31	06 05 03	Common Pre-Board (Tentative) Revision / Previous Years Questions Revision	Exercise & Activity given in the Textbooks
FEBRUARY	1-3 5-10 12-17 19-24 26-29	03 05 06 06 04	Revision / Sample Question Papers Revision / Previous Years Questions Revision / Sample Question Papers Revision / Sample Question Papers	Exercise & Activity given in the Textbooks
MARCH	1-2 4-9 11-16 18-23 25-30	02 05 06 06 06	CBSE Board Examination (Tentative)	

Name of the teacher : Mr Nayan Das
           PGT(Chem)

CLASS: XII   **SUB: BIOLOGY**

Name of the Book: BIOLOGY (NCERT)

MONTH	WEEK	PERIOD REQUIRED	TOPIC	CONTENT	PRACTICALS
April	3-6	4	Reproduction	Reproduction in Organisms	Prepare a temporary mount to observe pollen germination.
	10-15	6		Sexual Reproduction in Flowering Plants	Prepare a temporary mount to observe pollen germination.
	17-21	5		Human Reproduction	Study the plant population density by quadrat method.
	24-29	7		**Class Test**	
May	1-6	7			
Summer Vacation – 8 May 23 – 16 June 23					
June	19-23	5		Human Reproduction	Study the plant population density by quadrat method.
	26-30	6		Reproductive Health	
July	1	1	Genetics	Principal of Inheritance and Variation	
	3-7	6		Molecular Basis of Inheritance	
	10-15	7		Molecular Basis of Inheritance	
	17-22	7		**Periodic Test 1**	Revision
	24-29	3			
	31	1		Molecular Basis of Inheritance	Prepare a temporary mount of onion root tip to study mitosis.
Aug	1-5	5	Human Health and Diseases	Evolution	
	7-1	5		Human Health and Disease	
	14-19	5		Human Health and Disease	
	21-26	7		Microbes in Human Welfare	Isolate DNA from available plant material such as spinach, green pea seeds, papaya, etc.
	28-31	4		Human Health and Disease	Controlled pollination - emasculation, tagging and bagging.

MONTH	WEEK	PERIOD REQUIRED	TOPIC	CONTENT	PRACTICALS
Sep	1-2	1		Human Health and Disease	Common disease causing organisms like Ascaris, Entamoeba, Plasmodium, any fungus causing ringworm through permanent slides, models or virtual images or specimens. Comment on symptoms of diseases that they cause.
	4-8	4		**Half Yearly Exam**	
	11-16	7			
	18-23	7			
	25-30	5		Biotechnology: Principal and Processes	Pollen germination on stigma through a permanent slide or scanning electron micrograph.
Oct	3-7	5	**Biotech nology**	Biotechnology: Principal and Processes	Identification of stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice).
	9-13	6			
	16-20	6			
	31	1		Biotechnology and Its Application	Meiosis in onion bud cell or grasshopper testis through permanent slides.
Nov	1-4	5	**Enviro nment**	Organisms and Populations	T.S. of blastula through permanent slides (Mammalian).
	6-10	6		Ecosystem	
	13-18	7		Biodiversity and Conservation	Mendelian inheritance using seeds of different colour/sizes of any plant.
	20-25	7		Environmental Issues	Prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and colour blindness.
	27-30	4			
Dec	1-2	2		**1ˢᵗ Pre-Board Examination & Revision.**	
	4-8	6			
	11-16	7			
	18-23	7			

MONTH	WEEK	PERIOD REQUIRED	TOPIC	CONTENT	PRACTICALS
Winter Break 25 Dec 2023 – 13 Jan 2024				
Jan	15-20	7		**2nd Pre-Board Examination & Revision.**	
	22-27	7			
	29-31	3			
Feb	1-3	3			
	5-9	5			
	12-17	7			
	19-24	7			
	26-29	4			
Mar	1-3	1		**Board Exam**	
	6-10	3			
	13-17	3			
	20-24	3			
	27-31	3			

Name of the teacher: Mrs Neethu Thomas
        PGT (Bio)

AIR FORCE SCHOOL HASIMARA
SPLIT UP SYLLABUS
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CLASS : XII   **SUB: PHYSICAL EDUCATION**

Name of the Book : Health and Physical Education

MONTH	WEEK	PERIOD REQUIRED	CONTENT	ASSIGNMENT
April	3-7	3	Management of sporting events.	Self-assessment Exercise questions & Activities
	10-15	6	Practice of Physical fitness(**Practical**)	
	17-21	5	Children & women in sports.	
	24-29	6	Children & women in sports.	
May	1-6	5	Children & women in sports.	
SUMMER VACATION : 8 May – 16 June				
June	17	1	Practice of Physical fitness(**practical**)	Self-assessment Exercise questions & Activities
	19-24	6	Yoga as Preventive measure for lifestyle disease.	
	26-30	4	Asana Practice (**Practical**)	
July	1	1	Asana Practice (**Practical**)	
	3-7	6	Yoga as Preventive measure for lifestyle disease.	Self-assessment Exercise questions & Activities
	10-15	6	Physical education & Sports for CWSN(Children with special needs - Divyang).	
	17-22	6	Practice of Physical fitness (**Practical**)	
	24-29	5	**Periodic Test 1**	
	31	1	Discussion of project file(**Practical**)	
Aug	1-5	5	Sports & Nutrition.	Self-assessment Exercise questions & Activities
	7-11	5		
	14-19	5		
	21-26	6		
	28-31	4	Sports & Nutrition. Physiology & injury in Sports.	
Sept	1-2	2	Physiology & injury in Sports.	Self-assessment Exercise questions & Activities
	4-8	5	**Half Yearly Exam**	
	11-16	6		
	18-23	6		
	25-30	5	Biomechanics & Sports.	Self-assessment Exercise questions & Activities
Oct	3-7	5	Discussion of different Games filed & equipment(**Practical**)	Self-assessment Exercise questions & Activities
	9-13	5	Psychology & Sports.	
	16-19	4	Skills Practice of Deferent games(**Practical**)	
	30-31	2	Skills Practice of Deferent games(**Practical**)	
MONTH	**WEEK**	**PERIOD**	**CONTENT**	**ASSIGNMENT**

		REQUIRED		
Nov	1-4	4	Training in sports	Self-assessment Exercise questions & Activities
	6-10	5	Training in sports	
	13-18	5	Training in sports	
	20-25	6	Discussion of Games Rules Regulation & Terminology(**Practical**)	
	27-30	3		
Dec	1-2	2	**Periodic Test 2**	
	4-8	5		
	11-16	6		
	18-23	6		
Jan	15-20	6	**REVISION**	
	22-27	5		
	29-31	3		
Feb	1-3	3		
	5-9	5		
	12-17	5		
	19-24	6		
	26-29	4		
Mar	1-2	2	**ANNUAL EXAM**	
	4-7	4		
	11-16	6		
	18-23	6		
	26-30	5	**Declaration of Result**	

Name of the teacher :Bikash Chhteri
PGT(P Edn)

CLASS: XII SCIENCE   **SUB: COMPUTER SCIENCE (083)**
NAME OF THE BOOK: NCERT (REF: SUMITA ARORA)

MONTH	WEEK/ DATES	PERIOD REQUIRED	TOPIC	CONTENT	ASSIGNMENT
APRIL 2023	3-7	5	**Computational Thinking and Programming – 2**	Revision of Python topics covered in Class XI.	**Programs like:** ▪ Write a random number generator that generates random numbers between 1 and 6 (simulates a dice). ▪ Codes related to usage of different types of functions. **EXTRA MARKS (SLM & MCQs)** **HOTS** **SAMPLE PAPER QUESTIONS**
	10-15	6		**Functions**: types of function (built-in functions, functions defined in module, user defined functions).	
	17-22	6		**Creating User Defined Functions**, arguments and parameters, default parameters, positional parameters.	
	24-29	6		**Function Returning Value**(s), flow of execution, scope of a variable (global scope, local scope). **CLASS TEST**	
MAY 2023	1-6	6		**Introduction to Files**, types of files (Text file, Binary file, CSV file),	
SUMMER VACATION :- 8 MAY 23 – 16 JUNE 23					
JUNE 2023	17	1	**Computational Thinking and Programming – 2**	Relative and absolute paths.	▪ Read a text file line by line and display each word separated by a #. ▪ Read a text file and display the number of vowels/consonants/uppercase/lowercase characters ▪ in the file. ▪ Remove all the lines that contain the character 'a' in a file and write it to another file. ▪ Create a binary file with name and roll number. Search for a given roll number and display then name, if not found display appropriate message. ▪ Create a binary file with roll number, name and marks. Input a roll number and update the marks. ▪ Create a CSV file by entering
	19-24	6		**Text File**: opening a text file, text file open modes (r, r+, w, w+, a, a+), closing a text file, opening a file using with clause.	
	26-30	5		Writing/appending data to a text file using write() and writelines().	
JULY 2023	1-7	6		Reading from a text file using read(), readline() and readlines(), seek and tell methods, manipulation of data in a text file.	
	10-15	6		**Binary File**: basic operations on a binary file: open using file open modes (rb, rb+, wb, wb+, ab, ab+), close a binary file.	
	17-22	6		Import pickle module, dump() and load()	

				method, read, write/create, search, append and update operations in a binary file.	user-id and password, read and search the password for given userid.
	24-31	7	**Computational Thinking and Programming – 2**	**CSV File**: import csv module, open /close csv file, write into a csv file using csv.writerow() and read from a csv file using csv.reader( ). **PT1**	**SAMPLE PAPER QUESTIONS**
AUG 2023	1-5	5		**Data Structure**: Stack, operations on stack (push & pop).	
	7-11	5		Implementation of stack using list.	
	14-19	6		Queue, operations on Queue (enqueue & dequeue). Implementation of queue using list.	
	21-26	6	**Computer Networks**	**Evolution of Networking**: introduction to computer networks, evolution of networking (ARPANET, NSFNET, INTERNET).	**EXTRA MARKS (SLM & MCQs)** **HOTS** **SAMPLE PAPER QUESTIONS**
	28-31	4		**Data Communication Terminologies**: concept of communication, components of data communication (sender, receiver, message, communication media, protocols), measuring capacity of communication media (bandwidth, data transfer rate),	
SEP 2023	1-2	2	**Computer Networks**	IP address, switching techniques (Circuit switching, Packet switching).	**EXTRA MARKS (SLM & MCQs)** **HOTS** **SAMPLE PAPER QUESTIONS**
	4-8	5		**Transmission Media**: Wired communication media (Twisted pair cable, Co-axial cable, Fiber-optic cable), Wireless media.	
	11-16	6			
	18-23	6		**Term 1 Examination**	
	25-30	6			
OCT 2023	2-7	6	**Computer Networks**	**Network Devices** (Modem, Ethernet card, RJ45, Repeater, Hub, Switch, Router,	**EXTRA MARKS (SLM & MCQs)** **HOTS**
	9-13	5			

				Gateway, WIFI card),	
				Network Topologies and Network types: types of networks (PAN, LAN, MAN, WAN), networking topologies (Bus, Star, Tree).	
	16-19	4		**Network Protocol**: HTTP, FTP, PPP, SMTP, TCP/IP, POP3, HTTPS, TELNET, VoIP,	
	30-31	2	**Computer Networks**	**Introduction to web services**: WWW, Hyper Text Markup Language (HTML), Extensible Markup Language (XML), domain names, URL, website, web browser, web servers, web hosting.	
AUTUMN BREAK:- 20 OCT 23 - 29 OCT 23					
NOV 2023	1-4	4	**Database Management**	**Database Concepts**: introduction to database concepts and its need. **Relational Data Model**: relation, attribute, tuple, domain, degree, cardinality, keys (candidate key, primary key, alternate key, foreign key).	**SQL QUERIES TO ->** ▪ Create a student table and insert data. Implement the following SQL commands on the student table: ▪ ALTER table to add new attributes / modify data type / drop attribute ▪ UPDATE table to modify data ▪ ORDER By to display data in ascending / descending order ▪ DELETE to remove tuple(s) ▪ GROUP BY and find the min, max, sum, count and average ▪ Joining of two tables.
	6-10	5		**Structured Query Language**: introduction, Data Definition Language and Data Manipulation Language, data type (char(n), varchar(n), int, float, date), constraints (not null, unique, primary key), create database, use database, show databases, drop database, show tables.	**EXTRA MARKS (SLM & MCQs)** **HOTS** **SAMPLE PAPER QUESTIONS**
	13-18	6		Create table, describe table, alter table (add and remove an attribute, add and remove primary key), drop table, insert, delete, select, operators (mathematical, relational and logical), aliasing, distinct clause, where clause, in, between, order by, meaning of null, is null, is not null,	

	20-25	6		**Aggregate Functions** (max, min, avg, sum, count) ; Group by, having clause, joins.
	27-30	4		Cartesian product on two tables, equi-join and natural join.
DEC 2023	1-2	2		**Interface Of Python With An SQL Database**: Introduction creating database.
	4-8	5		Connecting SQL with Python, performing insert, update, delete. Queries using cursor, display data by using fetchone(), fetchall(), rowcount.
	11-16	6		Connectivity applications and revision.
	18-23	6		**PT2**
WINTER BREAK:- 25 DEC 23 - 13 JAN 24				
JAN 2024	15-20	6		
	22-27	6	**PRE-BOARD**	
	29-31	3	▪ Practical works.	
FEB 2024	1-3	3	▪ Project works.	
	5-9	5		
	12-17	6		
	19-24	6		
MAR 2024	1-2	2	**Annual Examination**	Revision Correction of Answer scripts
	4-8	5		
	11-16	6		
	18-23	6		
	25-30	6		

HOD: Mrs Neha Kumari
(PGT CS)

Sub Teacher: Mrs Neha Kumari
(PGT CS)