

**GURU NANAK PUBLIC SCHOOL  
SARABHA NAGAR, LUDHIANA**

**CURRICULUM (2022-23)**

**CLASS – XII  
SUBJECT – ENGLISH**

<b>Month</b>	
<b>March-April</b>	Flamingo: The Last Lesson, Lost Spring- Stories of Stolen Childhood Poem: My Mother At Sixty Six Writing Skills: Notice
<b>May</b>	Flamingo : : Deep Water Vistas : The Third Level , The Tiger King Poem- Keeping Quiet Writing Skills: Letter to Editor
<b>July</b>	Flamingo: The Rattrap Vistas : Journey to the End of the Earth Poem- A Thing of Beauty Writing Skills: Article
<b>August</b>	Flamingo: Indigo, Poets and Pancakes Vistas: The Enemy Writing Section: Formal Invitation
<b>September</b>	<b>MID TERM EXAM</b>
<b>October</b>	Flamingo: Interview Poems: A Roadside Stand , Aunt Jennifer’s Tigers Vistas: On the face of it Writing Skills: Job Application, Invitations and their replies
<b>November</b>	Flamingo: Going Places Vistas: Memories of Childhood Writing Skills: Report Writing

## SUBJECT – PHYSICS

<b>MONTH</b>	<b>CHAPTERS</b>
<b>MARCH</b>	<u>Unit-I Electrostatics</u> Chapter–1: Electric Charges and Fields
<b>APRIL</b>	Chapter–2: Electrostatic Potential and Capacitance <u>Unit-II Current Electricity</u> Chapter–3: Current Electricity
<b>MAY</b>	Chapter–3: Current Electricity Cont. <u>Unit-III Magnetic Effects of Current and Magnetism</u> Chapter–4: Moving Charges and Magnetism Chapter–5: Magnetism and Matter
<b>JUNE-JULY</b>	Chapter–5: Magnetism and Matter cont. <u>Unit-IV Electromagnetic Induction and Alternating Currents</u> Chapter–6: Electromagnetic Induction
<b>AUGUST</b>	Chapter 7: Alternating currents <u>Unit–</u> <u>V Electromagnetic Waves</u> Chapter–8: Electromagnetic Waves <u>Unit–VI</u> <u>Optics</u> Chapter–9: Ray Optics and Optical Instruments
<b>SEPTEMBER</b>	HALF YEARLY EXAMS
<b>OCTOBER</b>	Chapter–10: Wave Optics Unit–VII Dual Nature of Radiation and Matter Chapter–11: Dual Nature of Radiation and Matter Unit–VIII Atoms and Nuclei Chapter–12: Atoms
<b>NOVEMBER</b>	Chapter–13: Nuclei Unit-ix Electronic Devices Chapter-14: Semiconductors
<b>DECEMBER</b>	EXAMS
<b>JANUARY-MARCH</b>	REVISION AND EXAMS

## **PRACTICALS XII PHYSICS**

1. To determine resistivity of two / three wires by plotting a graph between potential difference versus current.

2. To find resistance of a given wire / standard resistor using metre bridge. OR

To verify the laws of combination (series) of resistances using a metre bridge.

To verify the laws of combination (parallel) of resistances using a metre bridge.

3. To compare the EMF of two given primary cells using potentiometer.

OR

To determine the internal resistance of given primary cell using potentiometer.

4. To determine resistance of a galvanometer by half-deflection method and to find its figure of merit.

5. To convert the given galvanometer (of known resistance and figure of merit) into a voltmeter of desired range and to verify the same.

OR

To convert the given galvanometer (of known resistance and figure of merit) into an ammeter of desired range and to verify the same.

6. To find the frequency of AC mains with a sonometer.

7. To find the focal length of a convex lens by plotting graphs between  $u$  and  $v$  or between  $1/u$  and  $1/v$ .

8. To find the focal length of a convex mirror, using a convex lens.

OR

To find the focal length of a concave lens, using a convex lens.

9. To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation.

10. To determine refractive index of a glass slab using a travelling microscope.

11. To find refractive index of a liquid by using convex lens and plane mirror.

12. To draw the I-V characteristic curve for a p-n junction diode in forward bias and reverse bias.

## SUBJECT – CHEMISTRY

Month	Chapter/Unit	Demonstration/Practical/Activity
March April	Unit - 2 Solutions	Practical: Volumetric analysis( $\text{KMnO}_4$ titrations)
May	Unit -3 Electrochemistry	Practical: Identification of carbohydrates , fats and proteins in given samples.
June		Project: Investigatory project on any topic
July	Unit-10 Haloalkane and haloarenes Unit-11 Alcohols , phenols and ethers	Practical: Preparation of <b>CRYSTALS</b> ( Potash Alum)
August	Unit-12 Aldehydes, ketones and carboxylic acids Unit-4 Chemical Kinetics	Practical: <b>SALT ANALYSIS</b>
September	<b>HALF YEARLY EXAMINATION</b>	
October	Unit-9 Co-ordination compounds Unit- 13 Amines Unit-8 d and f-Block Elements	Practical: <b>SALT ANALYSIS</b>
November	Unit 14 - biomolecules	Practical: <b>SALT ANALYSIS</b>
December	.....	.....

**SUBJECT – MATHEMATICS (041)**

<b>MONTH</b>	<b>CHAPTER</b>	<b>SYLLABUS FOR EXAMS</b>
<b>MARCH</b>	CH 3 MATRICES	
<b>APRIL</b>	CH 4 DETERMINANTS CH 2 INVERSE TRIGONOMETRIC FUNCTIONS	
<b>MAY</b>	CH 5 CONTINUITY AND DIFFERENTIABILITY	
<b>JUNE</b>	UNIT TEST	UNIT TEST CH 2,3,4,5
<b>JULY</b>	CH 6 APPLICATION OF DERIVATIVES	
<b>AUGUST</b>	CH 7 INTEGRALS CH 8 APPLICATION OF INTEGRALS CH 12 LINEAR PROGRAMMING	
<b>SEPTEMBER</b>	HALF YEARLY EXAM	CH 2,3,4,5,6,7,8,12
<b>OCTOBER</b>	CH 9 DIFFERENTIAL EQUATIONS CH 10 VECTOR ALGEBRA CH 11 THREE DIMENSIONAL GEOMETRY	
<b>NOVEMBER</b>	CH 13 PROBABILITY CH 1 RELATIONS AND FUNCTIONS	
<b>DECEMBER</b>	UNIT TEST	PAPER 1- BOOK 1, PAPER 2- BOOK 2
<b>JANUARY</b>	PRE BOARD EXAM	FULL SYLLABUS

## SUBJECT – BIOLOGY

Month	Chapter / Unit	Practicals
<b>March- April</b>	TERM-I UNIT-VI Sexual reproduction in flowering plants, Human reproduction Unit VII Principles of Inheritance & Variation	<ol style="list-style-type: none"> <li>1. Study pollen germination on a slide</li> <li>2. Study of flowers adapted to pollination by different agencies (wind, insect).</li> <li>3. Study and identified stages Of gamete development i.e. T.S. of testis and T.S. of ova through permanent slides (from any mammal).</li> </ol>
<b>May</b>	Unit VI:- Reproductive Health Unit VII- Principles of inheritance and variation(contd.) Evolution Unit VIII Health and disease.  May Unit Test	<ol style="list-style-type: none"> <li>4. Study of meiosis in onion bud cell or grasshopper through permanent slides.</li> <li>5. Study of T.S. of blastula through permanent slide.</li> <li>6. Models specimen showing symbiotic association in root nodules of leguminous plants, cuscuta on host , lichens</li> <li>7. Study pedigree charts of anyone of genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and colour blindness.</li> </ol>
<b>June</b>		Investigatory Project
<b>July August</b>	Unit W:- Molecular basis of Inheritance Unit X – Organisms and population Unit VII – Human health and diseases(contd)	<ol style="list-style-type: none"> <li>8. Isolation of DNA from available plant material such as Spinach, Green pea seeds, Papaya etc.</li> <li>9. To identify common disease causing organisms like Ascaris, Entamoeba, Plasmodium, Ringworm through permanent slides or specimens. Comment on symptoms of disease that they cause.</li> </ol>
<b>September</b>	September Examination TERM-II Unit X: Organisms & Populations(CONTD)	
<b>October</b>	Unit VII:- Microbes in human welfare Unit IX Biotechnology: Principles & processes Unit X:- Biodiversity and its conservation, Ecosystem	<ol style="list-style-type: none"> <li>10. Prepare a temporary mount of onion root tip to study mitosis</li> <li>11. Flash cards , models showing examples of homologous and analogous organs.</li> </ol>
<b>November</b>	Unit IX :-Biotechnology & its applications Unit X:- Biodiversity and conservation.	<p>Mendelian inheritance using seeds of different colors/ sizes of any plant.</p> <ol style="list-style-type: none"> <li>12. Study the plant population density and frequency by quadrat method</li> <li>13. Control pollination- Emasculation tagging and bagging.</li> </ol>
<b>December &amp; January</b>	Revision. DECEMBER UNIT TEST PRE BOARD EXAMINATION	

## SUBJECT – ACCOUNTANCY

<b>Month</b>	<b>Syllabus to be covered</b>
	TERM I
<b>March -April</b>	Partnership fundamentals Valuation of goodwill
<b>May</b>	Admission of Partner
<b>June</b>	<i>UNIT TEST 1</i>
<b>July</b>	<i>Summer Vacation – Holidays Homework Admission of partner continued</i>
<b>August</b>	Retirement of partner Death of partner Change in Profit sharing ratio Dissolution of partnership firm Share Capital
<b>September</b>	<u>TERM 1 Exams</u>
<b>October</b>	Share capital continued Issue of debentures
<b>November</b>	Redemption of debentures Analysis of financial statements Ratio Analysis Cash flow Analysis
<b>December</b>	<u>Pre – board 1</u>
<b>January</b>	<i>Pre-Board 2</i>
<b>February</b>	<i>Project Submission CBSE Practical</i>
<b>March</b>	<i>BOARD Exams</i>

## SUBJECT – ECONOMICS

<b>Month</b>	<b>Syllabus to be covered</b>
<b>March -April</b>	Macroeconomics Ch-1 Introduction Ch-5 Money and Supply of Money Ch- 6 Banking Ch-10 Government Budget
<b>May</b>	Indian Economy— Ch-1 Indian Economy on the eve of Independence Ch-2 Indian Economy (1950-90) Ch-3 Liberalization, Privatization and Globalization Macroeconomics Ch 2 Basic concepts of Macroeconomics
<b>June</b>	<i>UNIT TEST 1</i>
<b>July</b>	<i>Summer Vacation –Holidays Homework</i>
<b>August</b>	MACROECONOMICS Ch-3 National Income and Related Aggregates Ch-4 Methods of Calculating National Income Ch-11 Foreign Exchange rate Ch-12 Balance of Payments Indian Economy :- Ch-5 Human Capital Formation
<b>September</b>	TERM 1 Exams
<b>October</b>	Macroeconomics Ch-7 Aggregate Demand And Aggregate Supply Concepts Ch-8 Short Run Equilibrium output Ch-9 Problem of Deficient demand and excess demand Indian Economy Ch-10 Development Experience of India , China and Pakistan
<b>November</b>	Indian Economy Ch-6 Rural Development Ch-7 Employment Ch-9 Sustainable Development
<b>December</b>	<i><u>UNIT TEST 2</u></i>
<b>January</b>	<i>Pre-Boards</i>
<b>February</b>	<i>Project Submission —CBSE Practical</i>
<b>MARCH</b>	<i>BOARD Exams</i>



## SUBJECT – BUSINESS STUDIES

<b>Month</b>	<b>Syllabus to be covered</b>
<b>March -April</b>	Nature and significance of management Principles of Management
<b>May</b>	Principles of Management cont... Business Environment
<b>June</b>	<i>UNIT TEST 1</i>
<b>July</b>	<i>Summer Vacation – Holidays Homework Planning</i>
<b>August</b>	Organising Staffing Controlling
<b>September</b>	<u>TERM 1 Exams</u>
<b>October</b>	Directing Financial Management
<b>November</b>	Financial Market Marketing Management Consumer Protection
<b>December</b>	<u>UNIT TEST 2</u>
<b>January</b>	<i>Pre-Boards</i>
<b>February</b>	<i>Project Submission CBSE Practical</i>
<b>March</b>	<i>BOARD Exams</i>

## SUBJECT – ENTREPRENEURSHIP

<b>Month</b>	<b>Syllabus to be covered</b>
	Term I
<b>March -April</b>	UNIT 1 Entrepreneurial opportunity  UNIT 2  Enterprise planning
<b>May</b>	Unit 2 continued UNIT 3 Enterprise marketing
<b>June</b>	<i>UNIT TEST 1</i>
<b>July</b>	<i>Summer Vacation – Holidays Homework</i> Unit 3 continued
<b>August</b>	UNIT 4 Enterprise growth strategies
<b>September</b>	<u>TERM 1 Exams</u>
<b>October</b>	UNIT 5 Business arithmetic
<b>November</b>	UNIT 6 Resource mobilization
<b>December</b>	<u>Pre-Board 1</u>
<b>January</b>	<i>Pre-Board 2</i>
<b>February</b>	<i>Project Submission CBSE Practical</i>
<b>March</b>	<i>BOARD Exams</i>

**SUBJECT – APPLIED MATHEMATICS (241)**

<b>Month</b>	<b>Chapter</b>	
<b>April</b>	Ch-1 Numbers, Quantification and Numerical Applications Ch-3 Matrices CH-4 Determinants	
<b>May</b>	Ch-2 Numerical Inequalities Ch-5 Differentiation CH-6 Application Of Derivatives	Unit Test CH1,2,3,4,5
<b>June</b>	PROJECT	
<b>July</b>	Ch-9 Probability Ch-11 Index Numbers And Time Based Data	
<b>August</b>	Ch-7 Integrals CH8 Differential Equations	
<b>September</b>	Half Yearly Exams	CH1,2,3,4,5,6,9,11
<b>October</b>	Ch-12 Perpetuity, Sinking Funds, Bonds And EMI Ch-13 Stocks, Shares And Debentures Ch-14 Returns, Growth And Depreciation	
<b>November</b>	Ch-15 Linear Programming Ch-10 Inferential Statistics	
<b>December</b>	ACTIVITIES Unit Test	Paper1 CH 1,2,3,4,5,6,9,11 Paper2 CH7,8,10,12,13,14,15
<b>January</b>	Preboard Exams	Full Syllabus
<b>February</b>	-----	
<b>March</b>		

**SUBJECT – PAINTING AND APPLIED/COMMERCIAL ART**

<b>PAINTING AND COMMERCIAL ARTS CLASS – XII</b>			
<b>Month</b>	<b>Theory</b>	<b>Practical</b>	
		<b>Painting</b>	<b>Commercial Arts</b>
<b>Term - I</b>			
<b>May</b>	The Rajasthani School	One Landscape One Composition One Still Life	One Poster One Advertisement One illustration
<b>June</b>	The Pahari School	One Landscape One Composition One Still Life	Two Posters
<b>July</b>	The Mughal School	One Landscape One Composition One Still Life	Two Posters
<b>August</b>	The Deccan School	One Landscape One Composition One Still Life	Two Posters One Advertisement
<b>September</b>	Practical and Evaluation		
<b>Term - II</b>			
<b>October</b>	The Bengal School	One Landscape One Composition One Still Life	Two Advertisement Two Illustrations
<b>November</b>			
<b>December</b>	Modern Trends in Indian Art	One Landscape One Composition One Still Life	Two Advertisement Two Illustrations
<b>January</b>	Revision of Full Syllabus		
<b>February</b>	Final Evaluation		

**SUBJECT – PSYCHOLOGY**

<b>Month</b>	<b>Chapter/Unit</b>	<b>Practical</b>
<b>April</b>	Unit I- Variations in psychological attributes Unit II-Self and Personality	1. David's battery of differential abilities
<b>May</b>	Unit III- Meeting life challenges Unit IV- Psychological disorders (To be continued...)	2. Cattell's culture fair intelligence test
<b>June</b>	Unit Test-I	Project- case study
<b>July</b>	Unit IV- Psychological disorders	3. Maudsley Personality Inventory
<b>August</b>	Unit V-Therapeutic Approaches	4. State Trait Anxiety Test
<b>September</b>	Half Yearly Exam	
<b>October</b>	Unit VI-Attitude and social cognition	6. Self-Concept Questionnaire
<b>November</b>	Unit VII-Social influences and Group processes	
<b>December</b>	Unit Test-II	
<b>January</b>	Pre - Board	

## SUBJECT – LEGAL STUDIES

<b>Month</b>	<b>Chapter/Topic</b>
<b>April</b>	Constitution, role and impartiality of Judiciary Structure, hierarchy of courts and legal offices in India Appointment, training, retirement and removal of judges Judicial Review
<b>May</b>	Adversarial & Inquisitorial system Arbitration Administrative Tribunals Ombudsman Mediation and Conciliation Lok Adalats Lokpal & Lokayukta Topics in law: Property Contract Law of Tort Criminal law
<b>June</b>	Unit Test-I
<b>July</b>	Summer Vacations & Holidays Homework
<b>August</b>	History of legal profession in India Role and types of functions of judges and lawyers Barrister, Solicitors and Advocates Changes effected by Indian Advocates Act, 1961 Legal profession in other jurisdiction Introduction to International Law – History and types of International Law , Sources of International Law – Treaties, Customs and ICJ Decisions International Institutions , International Human Rights Customary International Law, International law and municipal law , Dispute Resolution mechanism
<b>September</b>	Exam-I
<b>October</b>	Human Rights in India - Introduction – History and International Context Constitutional framework and Related laws in India Complaint Mechanisms of Quasi judicial Bodies
<b>November</b>	Legal Services Introduction, Brief History of legal services Legal background – International law, Indian legal system, Criminal law, efforts by the State, Indian Constitution, NALSA Regulation Criteria for giving free Legal Services – Legal Services Hierarchy of Legal Aid Service Authorities – Central authority, State authority and District Authority and Taluk Committee, Lok Adalat and permanent lok adalat Legal aid in context of social justice and human rights Funding
<b>December</b>	Unit Test-II
<b>January</b>	Pre- Boards
<b>February</b>	Project Submission & CBSE Practical
<b>March</b>	Board Exam

## SUBJECT – POLITICAL SCIENCE

Month	Chapter/Topic
<b>April</b>	Book- Contemporary world politics CH – The end of Bipolarity
<b>May</b>	Book- Contemporary world politics CH - Globalization  Book - Politics in India since independence CH- Challenges of Nation Building CH – Planned development
<b>June</b>	Unit Test-I
<b>July</b>	Summer Vacations & Holidays Homework
<b>August</b>	Book- Contemporary world politics CH - contemporary South Asia  Book- Politics in India since Independence CH - Parties and the party system in India CH - Democratic resurgence CH - Indian politics trends and development
<b>September</b>	Exam
<b>October</b>	Book - contemporary world politics CH – United Nations and it's organizations CH – New centres of powers  Book - politics in India since independence CH – Regional aspirations CH- India's Foreign Policy
<b>November</b>	Book - contemporary world politics CH - Security in contemporary world  CH - Environment and natural resources
<b>December</b>	Unit Test-II
<b>January</b>	Pre- Boards
<b>February</b>	Project Submission & CBSE Practical
<b>March</b>	Board Exam

## SUBJECT – FASHION STUDIES

MONTH	CHAPTER	PRACTICALS
<b>TERM I</b> <b>APRIL</b>	Unit 1: History of Fashion	1) To identify the cultural context of body adornment and its continuation in contemporary society.
<b>MAY</b>	PERIODIC TEST-I	1) To use visual references to analyze Asian draped garments. 2) To analyze the impact of industrial revolution during the British Raj in India.
<b>JUNE</b>	HOLIDAYS HOME WORK	
<b>JULY</b>	Unit 2: Basic Pattern Development	1) Design products with self generated prints inspired from nature. 2) To demonstrate creative exploration of patterns created by using food products for dyeing products.
<b>AUGUST</b>	Unit 2 (Cont): Basic Pattern Development	1) Develop Print designs inspired from animal skins by innovative use of materials. 2) Stencil printing technique to create design patterns/motifs.
<b>SEPTEMBER</b>	<b>TERM-1 EXAMINATION</b>	
<b>TERM II</b> <b>OCTOBER</b>	Unit 3: Elements of Fashion	1) Develop a Basic Bodice Block. 2) Develop a Bodice through Dart manipulation.

<b>NOVEMBER</b>	Unit 4: Basics of Garment Making	1) Develop a Basic Skirt Block. 2) Develop Style variations of skirts- one dart and A Line.
<b>DECEMBER</b>	<b>PERIODIC TEST II</b>	
<b>JANUARY</b>	Unit 4 (cont) : Basics of Garment Making  PRE-BOARD EXAM	1) Stitch a sample of continuous placket. 2) Stitch a sample of basic shirt placket. 3) Stitch a sample of basic shirt placket with facing. 4) Stitch a sample each of – Extended Facing, Bias facing, and shaped facing
<b>FEBRUARY</b>	REVISION OF FULL SYLLABUS	.



**SUBJECT – MUSIC**

<b>MONTH</b>		
	<b>Theory</b>	<b>Practical</b>
	<b>Term1</b>	
<b>March &amp; April</b>	Varna, Grama, Alankaar, Short Notes	Fast Khayal - Bhairav Slow khayal - Bhairav
<b>May</b>	Murchana, Gamak, Khatka, Murki	Raga Malkauns
<b>July</b>	Life Sketch	Tarana, Fast khayal - Raga Bageshri
<b>August</b>	Time theory of indian music	Tala - Teental, Dhamar, Kehrwa
<b>September</b>	Sangeet Ratnager	Tarana, Fast khayal Raga Bageshri
	<b>Term 2</b>	
<b>October</b>	Sangeet Parijaat	Recognition of Ragas, Raga Malkauns
<b>November</b>	Description of Raga and Talas, life sketch of musicians	Revision
<b>December &amp; January</b>	<b>Revision</b>	
<b>February</b>	<b>Final Exam</b>	

## SUBJECT – DANCE

Months	Dance Syllabus	
	<i>Practical</i>	<i>Theory</i>
	<b>Term - 1</b>	
<b>March &amp; April</b>	Practice of the Tatkar of teen taal & jhap taal in thah, dugun, chougun laya	A brief history with other classical dance styles of India
<b>May</b>	The students should know the following techniques & compositions Vandana, Tora, Thaata	Acquaintance with the life sketch of few great Exponents of past and present time, Explain abhinaya (Angika, vachika, satvika, Aharya, contents of abhinaya darpan)
<b>June</b>	Summer holidays	
<b>July</b>	Perform Aamad, Fast aamad, Tukra, Tihaayi	Explaine Natyashastra, Lokdharmi & Natyadharmi, Three Ghranas of Kathak
<b>August</b>	Perform Gatnikas, Gatbhaav, Parhant of all terms with Hastkriya	Explaine Sangeet, Taal, Laya, Sthana, Define Vandana , tihaayi, aamad, Toda, Tukra, Paran, Chakardar Toda & Paran, Gatnikas, gatbhav, traditional costumes & Makeup
	<b>Term - 2</b>	
<b>September</b>	Exam	
<b>October</b>	Ability to play the theka of teen taal & Jhap tala on Tabla	Explain chari, gati, mandala, Karana, Bharamari, Anghara, Utplawna, Rasas & Bhavas
<b>November</b>	Revision	
<b>December</b>	Exam	
<b>January</b>	Some of these compositions in Jhap tala & Dhamaar taal	Knowledge of Theka of Dadra, Keherwa, Rupak, Notation of tora tukra paran etc. Definition of Tali-Khali, sum, tihaayi
<b>February</b>	Revision	
<b>March</b>	Final Exam	

**SUBJECT – WEB APPLICATION**

<b>Month</b>	<b>Topic/Chapter</b>
<b>April</b>	Ch-1 Movie Editing Tools Ch-2 Customizing and Embedding Multimedia Components in Web Pages
<b>May</b>	Employability Skills: Self-Management Skills
<b>June</b>	Project: Website
<b>July- August</b>	Ch-3 Web Scripting- Java Script Employability Skills: ICT Skills
<b>September</b>	Half Yearly Examination
<b>October</b>	Ch-4 Advanced Features of Web Design
<b>November</b>	Employability Skills: Entrepreneurial Skills
<b>December</b>	December Examination
<b>January</b>	Pre board Examination

## SUBJECT – INFORMATICS PRACTICES

<b>Month</b>	<b>Topic/Chapter</b>
<b>April</b>	Ch-10 Operations on Relations Ch-11 SQL Select Statement Ch -12 MySQL Functions
<b>May</b>	Ch- 13 Computer Networks Ch- 14 Introduction to Internet Ch – 15 Society , Law and Ethics
<b>June</b>	Project on Python
<b>July- August</b>	Ch-16 E-Waste Management Ch – 1 Introduction to Data Structure in Pandas Ch – 2 Operations in Pandas DataFrame - 1
<b>September</b>	Half Yearly Examination
<b>October</b>	Ch – 3 Operations in Pandas DataFrame – 2 Ch – 4 Transferring CSV/SQL Data into DataFrame
<b>November</b>	Ch – 8 Plotting with Pyplot Ch – 9 Interface Python with SQL Database
<b>December</b>	December Examination
<b>January</b>	Pre board Examination

**SUBJECT – PUNJABI**

Month	Literature & Grammar	Activity
April	<p>ਕਵਿਤਾਵਾਂ :- ਭਾਈ ਵੀਰ ਸਿੰਘ (ਟੁਕੜੀ ਜੱਗ ਤੋਂ ਨਿਆਰੀ), ਪ੍ਰੇ ਮੋਹਨ ਸਿੰਘ (ਤਾਜ ਮਹਿਲ)</p> <p>ਕਹਾਣੀ :- ਸਾਂਝ (ਸੁਜਾਨ ਸਿੰਘ)</p> <p>ਪੰਜਾਬੀ ਸੱਭਿਆਚਾਰ ਦੀ ਜਾਣ ਪਛਾਣ :- ਪੰਜਾਬ ਦੇ ਮੇਲੇ ਤੇ ਤਿਉਹਾਰ (ਡਾ. ਐੱਸ. ਐੱਸ. ਵਣਜਾਰਾ ਬੇਦੀ)</p> <p>ਵਿਆਕਰਨ :- ਸੰਖੇਪ ਰਚਨਾ, ਕਾਰ ਵਿਹਾਰ ਦੇ ਪੱਤਰ, ਅਖਾਣ</p>	ਸੁਣਨ ਕੇਸ਼ਲ
May	<p>ਕਵਿਤਾ :- ਨੰਦ ਲਾਲ ਨੂਰਪੁਰੀ ( ਚੁੰਮ ਚੁੰਮ ਰੱਖੇ )</p> <p>ਕਹਾਣੀ :- ਨੀਲੀ ( ਕਰਤਾਰ ਸਿੰਘ ਦੁੱਗਲ )</p> <p>ਪੰਜਾਬੀ ਸੱਭਿਆਚਾਰ ਦੀ ਜਾਣ ਪਛਾਣ :- ਪੰਜਾਬ ਦੇ ਰਸਮ-ਰਿਵਾਜ ( ਗੁਲਜ਼ਾਰ ਸਿੰਘ ਸੰਧੂ )</p> <p>ਵਿਆਕਰਨ :- ਪੈਰਾ ਰਚਨਾ, ਅਖਾਣ</p>	
July	<p>ਕਵਿਤਾ :- ਅੰਮ੍ਰਿਤਾ ਪ੍ਰੀਤਮ (ਵਾਰਸ ਸ਼ਾਹ)</p> <p>ਕਹਾਣੀ :- ਮਾੜਾ ਬੰਦਾ ( ਪ੍ਰੇਮ ਪ੍ਰਕਾਸ਼ )</p> <p>ਪੰਜਾਬੀ ਸੱਭਿਆਚਾਰ ਦੀ ਜਾਣ ਪਛਾਣ :- ਪੰਜਾਬ ਦੀਆਂ ਲੋਕ-ਖੇਡਾਂ ( ਸੁਖਦੇਵ ਮਾਦਪੁਰੀ )</p> <p>ਵਿਆਕਰਨ :- ਵਾਕ ਵਟਾਂਦਰਾ, ਸੰਖੇਪ ਰਚਨਾ</p>	Project
August	<p>ਕਵਿਤਾ :- ਹਰਭਜਨ ਸਿੰਘ ( ਮੇਰਾ ਬਚਪਨ )</p> <p>ਕਹਾਣੀ :- ਘਰ ਜਾ ਆਪਣੇ ( ਗੁਲਜ਼ਾਰ ਸਿੰਘ ਸੰਧੂ )</p> <p>ਵਿਆਕਰਨ :- ਵਾਕ ਵਟਾਂਦਰਾ, ਕਾਰ ਵਿਹਾਰ ਦੇ ਪੱਤਰ, ਅਖਾਣ</p>	
September	<p>Mid Term Examination</p> <p>NOTE :- syllabus covered from April to August.</p>	
October	<p>ਕਵਿਤਾ :- ਸ਼ਿਵ ਕੁਮਾਰ ਬਟਾਲਵੀ ( ਗੀਤ )</p> <p>ਪੰਜਾਬੀ ਸੱਭਿਆਚਾਰ ਦੀ ਜਾਣ ਪਛਾਣ :- ਪੰਜਾਬ ਦੇ ਲੋਕ- ਨਾਚ ( ਡਾ. ਜਗੀਰ ਸਿੰਘ ਨੂਰ )</p> <p>ਵਿਆਕਰਨ :- ਵਾਕ ਵਟਾਂਦਰਾ, ਅਖਾਣ, ਸੰਖੇਪ ਰਚਨਾ, ਕਾਰ ਵਿਹਾਰ ਦੇ ਪੱਤਰ, ਪੈਰਾ ਰਚਨਾ</p>	ਲਿਖਣ ਕੇਸ਼ਲ
November	Revision Of Full Syllabus	
December	December Test	
January	Pre Board Examination Note :- full syllabus from April to October	

**SUBJECT – PHYSICAL EDUCATION**

<b>Month</b>	<b>TOPIC</b>	
<b>April</b>	Chapter 1	Planning in sports
<b>May</b>	Chapter 2	Sports and nutrition
<b>June</b>	SUMMER VACATION	
<b>July</b>	Chapter 3 Chapter 10	Yoga and lifestyle Training in sports
<b>August</b>	Chapter 4 Chapter 6	Physical Education for CWSN Test and measurement in sports
<b>September</b>	Mid Term Examination NOTE :- Syllabus covered from April to August.	
<b>October</b>	Chapter 8	Biomechanics and sports
<b>November</b>	Chapter 5 Chapter 9	Children and women in sports Psychology and sports
<b>December</b>	Chapter 7	Physiology and injuries in sports
<b>January</b>	Revision	
<b>February</b>	Revision	
<b>March</b>	Examination	