

**GURU NANAK PUBLIC SCHOOL, SARABHA NAGAR, LUDHIANA**  
**CLASS – XI REVISED CURRICULUM (2022-23)**

**SUBJECT – ENGLISH**

<b>Month</b>	<b>Chapters/Topic</b>
<b>MAY</b> <b>JUNE</b>	Hornbill:-The Portrait of a Lady, We are not afraid to die Poem: A Photograph Snapshots: The Summer of the Beautiful White Horse Writing Skills: Posters
<b>JULY</b>	Hornbill: Discovering Tut: The Saga Continues Poem: The Laburnum Top Snapshots: The Address Writing Skills: Advertisements & Note-making
<b>AUGUST</b>	Hornbill: Poem: The Voice of the Rain Grammar: Gap filling & Transformation of sentences Writing Skills: Speech & Debate
<b>OCTOBER</b>	Hornbill: The Adventure Snapshots: Mother's Day Writing Skills: Note-making
<b>NOVEMBER</b>	Hornbill: Silk Road Poem: Childhood Grammar: Gap filling & Transformation of sentences
<b>DECEMBER</b>	Snapshots: Birth Poem: Father to Son Writing Skills: Comprehension Skills
<b>JANUARY</b>	Snapshots: The Tale of Melon City

## SUBJECT – PHYSICS

MONTH	CHAPTERS
MAY	<b>Unit-I Physical World and Measurement</b> Chapter-2: Units and Measurements
JUNE	<b>Unit-II Kinematics</b> Chapter-3: Motion in a Straight Line
JULY	Chapter-4: Motion in a Plane
AUGUST	<b>Unit-III Laws of Motion</b> Chapter-5: Laws of Motion <b>Unit-IV Work, Energy and Power</b> Chapter-6: Work, Energy and Power
SEPTEMBER	<b>Unit-V Motion of System of Particles and Rigid Body</b> Chapter-7: System of Particles and Rotational Motion <b>HALF YEARLY EXAMS</b>
OCTOBER	Chapter-7: System of Particles and Rotational Motion (cont.) <b>Unit-VI Gravitation 8</b> Chapter-8: Gravitation <b>Unit-VII Properties of Bulk Matter</b> Chapter-9: Mechanical Properties of Solids
NOVEMBER	Chapter-9: Mechanical Properties of Solids (cont.) Chapter-10: Mechanical Properties of Fluids Chapter-11: Thermal Properties of Matter <b>Unit-VIII Thermodynamics</b> Chapter-12: Thermodynamics
DECEMBER	Chapter-12: Thermodynamics (cont.) <b>Unit-IX Behaviour of Perfect Gases and Kinetic Theory of Gases</b> Chapter-13: Kinetic Theory
JANUARY	<b>Unit-X Oscillations and Waves</b> Chapter-14: Oscillations Chapter-15: Waves
FEBRUARY- MARCH	<b>REVISION AND EXAMS</b>

## PRACTICALS XI PHYSICS

1. To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier Calipers and hence find its volume.

2. To measure diameter of a given wire and thickness of a given sheet using screw gauge.

OR

To determine volume of an irregular lamina using screw gauge.

3. To determine radius of curvature of a given spherical surface by a spherometer.

4. To determine the mass of two different objects using a beam balance.

5. To find the weight of a given body using parallelogram law of vectors.

6. Using a simple pendulum, plot its L-T<sup>2</sup> graph and use it to find the effective length of second's pendulum.

OR

To study variation of time period of a simple pendulum of a given length by taking bobs of same size but different masses and interpret the result.

7. To study the relationship between force of limiting friction and normal reaction and to find the co-efficient of friction between a block and a horizontal surface.

OR

To find the downward force, along an inclined plane, acting on a roller due to gravitational pull of the earth and study its relationship with the angle of inclination  $\theta$  by plotting graph between force and  $\sin \theta$ .

8. To study dissipation of energy of a simple pendulum by plotting a graph between square of amplitude and time.

9. To determine Young's modulus of elasticity of the material of a given wire.

OR

To find the force constant of a helical spring by plotting a graph between load and extension.

10. To study the variation in volume with pressure for a sample of air at constant temperature by plotting graphs between P and V, and between P and  $1/V$ .

11. To determine the surface tension of water by capillary rise method.

OR

To determine the coefficient of viscosity of a given viscous liquid by measuring terminal velocity of a given spherical body.

12. To study the relationship between the temperature of a hot body and time by plotting a cooling curve.

13. To determine specific heat capacity of a given solid by method of mixtures.

14. To study the relation between frequency and length of a given wire under constant tension using sonometer.

OR

To study the relation between the length of a given wire and tension for constant frequency using sonometer.

15. To find the speed of sound in air at room temperature using a resonance tube by two resonance positions.

## SUBJECT – CHEMISTRY

<b>MONTH</b>	<b>UNIT</b>	<b>PRACTICAL</b>
<b>May</b>	<b>Unit-1 : Some Basic Concepts of Chemistry</b>	
<b>June</b>	<b>Unit-1 : Some Basic Concepts of Chemistry(contd.) Unit-2 : Structure of Atom</b>	<b>Volumetric Titration-1 Project Work</b>
<b>July</b>	<b>Unit-2 : Structure of Atom (contd.)</b>	<b>Volumetric Titration-2</b>
<b>August</b>	<b>Unit-3 : Classification of elements and periodicity in properties Unit-4 : Chemical Bonding and molecular structure Unit-8 : Redox Reactions</b>	<b>Salt Analysis</b>
<b>September</b>	<b>Half Yearly Exams</b>	
<b>October</b>	<b>Unit-8 : Redox Reactions( contd.) Unit-6 : Thermodynamics Unit-7 : Equilibrium</b>	<b>Salt Analysis</b>
<b>November</b>	<b>Unit -10 : Organic Chemistry ;Some Basic Principles &amp; Techniques</b>	<b>Salt Analysis</b>
<b>December</b>	<b>Unit-13 : Hydrocarbons</b>	<b>Salt Analysis</b>
<b>January</b>	<b>Unit-13 : Hydrocarbons</b>	
<b>February</b>	<b>FINAL EXAMS</b>	

## SUBJECT – MATHEMATICS (041)

<b>MONTH</b>	<b>CHAPTER</b>	<b>SYLLABUS FOR EXAMS</b>
<b>MAY</b>	CH 5 COMPLEX NUMBERS	
<b>JUNE</b>	CH 6 LINEAR INEQUALITIES	
<b>JULY</b>	CH 3 TRIGONOMETRIC FUNCTIONS CH 7 PERMUTATION AND COMBINATION	
<b>AUGUST</b>	CH 8 BINOMIAL THEOREM CH 9 SEQUENCES AND SERIES CH 10 STRAIGHT LINES	
<b>SEPTEMBER</b>	<b>HALF YEARLY EXAM</b>	<b>CH 3,5,6,7,8,9,10</b>
<b>OCTOBER</b>	CH 13 LIMITS AND DERIVATIVES CH 11 CONIC SECTIONS	
<b>NOVEMBER</b>	CH 12 3 D GEOMETRY CH 1 SETS CH 2 RELATIONS AND FUNCTIONS	
<b>DECEMBER</b>	UNIT TEST	CH 1,2,11,12,13
<b>JANUARY</b>	CH 14 STATISTICS CH 15 PROBABILITY	
<b>FEBRUARY</b>	<b>FINAL EXAMS</b>	<b>FULL SYLLABUS</b>

## SUBJECT – BIOLOGY

Month	Chapter / Unit	Practicals
<b>May</b>	<p>TERM – I</p> <p>Unit –I : Animal Kingdom, The living world, Biological Classification, Plant Kingdom</p> <p>Unit –II: Structural Organisation in animals.</p> <p>MAY UNIT TEST</p>	<p>1. Study parts of a compound microscope</p> <p>2. Study of given flower, family- Fabaceae, Liliaceae and Solanaceae.</p> <p>3. Slide study of plant and animal tissues.</p>
<b>July</b>	<p>Unit-II: Morphology of flowering plants. Anatomy Of flowering Plants</p> <p>Unit –III: Cell: The Unit of life.</p>	<p>4. Plant specimen and Animal specimen – Identification and Features</p> <p>5. Study of Mitosis (Model and Slides).</p>
<b>August</b>	<p>TERM – II</p> <p>Unit – III Cell division and cell cycle.</p> <p>Unit -III Biomolecules</p> <p>Unit -IV Photosynthesis in Higher plants</p> <p>Transport in plants, Breathing and exchange of gases.</p>	<p>6. Study of the rate of respiration in flower buds/leaf tissue and germinating seeds.</p> <p>7. Distribution of stomata.</p> <p>8. Paper Chromatography.</p>
<b>September</b>	<p>Revision</p> <p>SEPTEMBER EXAMINATION</p>	
<b>October November</b>	<p>Unit –IV- Respiration in higher plants. Plant growth and regulators.</p> <p>Unit –V : Body Fluids &amp; Circulation, Excretory products &amp; their elimination, Locomotion &amp; Movement, Neural Control &amp; Coordination.</p> <p>Unit –V: Chemical Coordination &amp; Integration.</p>	<p>9. Test the presence of Glucose, Starch, proteins and fats and urine in a given food sample and urine</p>
<b>December &amp; January</b>	<p>Unit IV- Plant growth regulators (contd).</p> <p>Revision</p> <p>DECEMBER UNIT TEST</p>	

## SUBJECT – ACCOUNTANCY

<b>Month</b>	<b>Topics</b>
<b>May</b>	* Meaning and objectives of accounting * Basic accounting terms * Rules of accounting * Journal (with and without GST)
<b>June</b>	Summer Vacation – Holidays Homework
<b>July</b>	* Journal Continued
<b>August</b>	* Cash book * Subsidiary books * Trial balance
<b>September</b>	First Term Examination
<b>October</b>	* Bank reconciliation statement * Depreciation * Provisions and Reserve
<b>November</b>	* Financial statements * Financial statements-with adjustments
<b>December</b>	Unit Examination
<b>January</b>	* Basic Accounting principles * Rectification of Errors
<b>February</b>	Final Exam

## SUBJECT – ECONOMICS

<b>Month</b>	<b>Syllabus to be covered</b>
<b>May-June</b>	<b>Microeconomics</b> Ch-1 Introduction Ch-2 Central Problems of economy and PPC
<b>July</b>	<b><i>Summer Vacation –Holidays Homework</i></b>
<b>August</b>	<b>Statistics:-</b> Ch-9 Mean Ch-10 Median and Mode: Ch-1 Introduction Ch-2 Collection of data Ch-3 Census and Sample Methods <b>Microeconomics</b> Ch-3 Consumer Equilibrium – Utility analysis Ch-4 Consumer Equilibrium- IC Analysis
<b>September</b>	<b><i>Term 1 Examination</i></b>
<b>October</b>	<b>Statistics :</b> Ch-4 Organization of data Ch-5 Tabular Presentation of data Ch-6 Bar diagrams and Pie charts Ch-7 Histogram, Polygon and frequency curve Ch-8 Time series <b>Microeconomics :</b> Ch-5 Demand Ch-6 Elasticity of demand Ch-7 Production Ch-8 Cost
<b>November</b>	Ch-9 Revenue Ch-10 Producer Equilibrium Ch-11 -Theory of supply
<b>December</b>	<b><u>UNIT TEST</u></b>
<b>January</b>	<b>Statistics:-</b> Ch-12 Correlation Ch-13 Index Numbers <b>Microeconomics:-</b> Ch-12 Perfect Competition Market Ch-13 Price Determination under Perfect competition
<b>Feb-March</b>	<b><i>FINAL EXAMINATION</i></b>



## SUBJECT – BUSINESS STUDIES

<b>Month</b>	<b>Syllabus to be covered</b>
<b>May</b>	<b>Chp-1 Business, Commerce and Trade</b>
<b>June</b>	<b>Summer Vacation – Holidays Homework</b>
<b>July</b>	<b>Chp-2 Forms of Business Organisation</b>
<b>August</b>	<b>Chp-3 Public, Private and Global enterprises Chp-4 Business services</b>
<b>September</b>	<b><u>Term 1 Examination</u></b>
<b>October</b>	<b>Chp-5 emerging modes of business Chp 6. social responsibility of business</b>
<b>November</b>	<b>Chp 7. Sources of business finance Chp 8. Small business and entrepreneurship development</b>
<b>December</b>	<b><u>UNIT TEST</u></b>
<b>January</b>	<b>Chp 9. Internal trade <i>Chp 10 International business</i></b>
<b>February</b>	<b><i>FINAL EXAMINATION</i></b>

## SUBJECT – ENTREPRENEURSHIP

Month	Syllabus to be covered
May	Unit 1:- Entrepreneurship: What, Why and How
June	Summer Vacation – Holidays Homework
July	Unit 2:- An Entrepreneur
August	Unit 3:- Entrepreneurial Journey Unit 4:- Entrepreneurship as Innovation and Problem Solving
September	<u>Term 1 Examination</u>
October	Unit 5:- Understanding the Market
November	Unit 6:- Business Finance & Arithmetic
December	<u>UNIT TEST</u>
January	Unit 7:- Resource Mobilization
February	<i>FINAL EXAMINATION</i>

**SUBJECT – APPLIED MATHEMATICS (241)**

<b>Months</b>	<b>Chapters Name</b>	<b>Syllabus for Exam</b>
<b>May</b>	Ch-1 (Numbers)	
<b>June</b>	Ch 2 ( Indices and Logarithms )	
<b>July</b>	Ch 3 (Quantitative Aptitude) Ch-4. (Mensuration) Ch-5 (Sets and Relations)	
<b>August</b>	Ch 6 (Sequences and Series ) Ch 7 ( Permutations and Combinations )	
<b>September</b>	Term 1 Exams	Chapters : 1 , 2 ,3,4,5,6,7
<b>October</b>	Ch 9 (Functions) Ch 10 ( Limits and continuity) Ch 17 (Straight lines)	
<b>November</b>	Ch 17 Continued Ch-18 ( Circle and Parabola) Ch 11 ( Differentiation) Ch 14 ( Compound Interest and Annuity)	
<b>December</b>	Ch 15 ( Taxation) Unit Ch 16 ( Utility Bills)	
	December exam	Chapters : 9,10,17,18,11,14
<b>January</b>	Ch 12 ( Probability) Ch 13 (Descriptive Statistics)	
<b>February</b>	Final Exams	Chapters : 1 , 2 , 3 , 4 , 5 , 6 , 7 , 9 , 10 , 11 , 12 , 13 , 14 , 15 , 16 , 17 , 18

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

<b>Month</b>	<b>Theory</b>	<b>Practical</b>	
<b>July</b>	An Introduction To Art Art and Aesthetics Art and Beauty	<b>Painting:</b> 1 still life 1 composition 1 landscape (on A2 size Ivory sheet)	<b>Commercial Art:</b> 2 Advertisement 2 Poster (on A2 size Ivory sheet)
<b>August</b>	Shadanga-Six Limbs Of Art Elements of Art Principles of Art	1 still life 1 composition 1 landscape (on A2 size Ivory sheet)	2 Advertisement 2 poster (On A2 size Ivory sheet)
	Unit -1 Prehistoric Rock Paintings and Art of Indus Valley Chapter-2 Art of Indus Valley Civilization Dancing Girl	2 still life 1 landscape 1 composition (on A2 size Ivory sheet)	2 Illustrations (On A4 size Ivory sheet)
<b>September</b>	<b>Revision and Evaluation</b>		
<b>October</b>	Unit -2 Buddhist, Jain and Hindu Art Chapter-3 General Introduction Of Art During Mauryan, Shunga, Kushana & Gupta Period Lion Capital From Sarnath	2 still life 1 composition 1 Folk Art (on A2 size Ivory sheet)	1 Poster 1 Advertisement 1 Illustration (On A4 size Ivory Sheet)
<b>November</b>	Bodhistava Head From Takshila Seated Buddha-Sarnath (Gupta)	2 still life 1 landscape (on A2 size Ivory sheet)	3 Composition 1 Folk Art (On A4 size Ivory sheet)
<b>December</b>	Revision and Evaluation		
<b>January</b>	Chapter-4 Art Of Ajanta Boddhisatava Padma Pani (Ajanta Cave No. 1)	1 Still life 1 composition 1 Landscape (On A2 size Ivory sheet)	3 Landscape (On A4 size Ivory sheet)
<b>February</b>	<b>Final Evaluation</b>	<b>Submission of practical file</b>	<b>Submission of practical file</b>

## SUBJECT – PSYCHOLOGY

<b>Month</b>	<b>Chapter/Unit</b>	<b>Practical</b>	
<b>May-June</b>	Unit I- What is Psychology?		
<b>July</b>	Unit II- Methods of Enquiry in Psychology Unit IV- Human Development (To be continued....)	Project	
<b>August</b>	Unit IV- Human Development Unit V- Sensory, Attentional and perceptual processes	Experiment- Division of Attention	
<b>September</b>			Half Yearly Exams
<b>October</b>	Unit VI- Learning	Experiment- Bilateral Transfer of Learning	
<b>November</b>	Unit VII- Human Memory Unit VIII- Thinking		
<b>December</b>			Unit Test- II & Final Practicals
<b>January</b>	Unit IX- Motivation and Emotion		

## SUBJECT – LEGAL STUDIES

<b>Month</b>	<b>Chapter/Topic</b>
<b>May</b>	Judiciary: Constitutional, Civil and Criminal Courts and Process Constitution: Roles and Impartiality Hierarchy of Courts The Civil Court Structure Structure and functioning of Criminal Courts in India Other courts in India
<b>June</b>	Family Justice System Introduction to family laws Institutional Framework Marriage and Divorce Children Domestic Violence, Property, Succession & Inheritance
<b>July</b>	Summer Vacations & Holidays Homework
<b>August</b>	Basic features of the Indian Constitution
<b>September</b>	<b>Exam-I</b>
<b>October</b>	Cyber laws, Safety and Security in India Jurisprudence, Nature and Sources of Laws
<b>November</b>	Separation of Power Concept of State Forms and organs of the Government
<b>December</b>	<b>Unit Test-II</b>
<b>January</b>	Nature and Sources of Law Nature, meaning and School of law Sources of law – Custom, legislation and precedent Law reforms
<b>February</b>	<b>Final Examination</b>

## SUBJECT – POLITICAL SCIENCE

<b>Month</b>	<b>Chapter/Topic</b>
<b>May</b>	Book : Indian constitution at work Ch - Constitution  Book: Political Theory Ch- Political Theory-An Introduction
<b>June</b>	Ch – Judiciary
<b>July</b>	Summer Vacations & Holidays Homework
<b>August</b>	Book : Indian constitution at work Ch- Election and Representation Ch- Local Governments  Book: Political Theory Ch- Equality Ch- Rights
<b>September</b>	Exam
<b>October</b>	Book : Indian constitution at work Ch- Federalism  Book: Political Theory Ch- Citizenship Ch- Liberty
<b>November</b>	Book : Indian constitution at work Ch- Executive Ch- Legislature  Book: Political Theory Ch- Nationalism Ch- Secularism
<b>December</b>	Exam
<b>January</b>	Book: Political Theory Ch- Justice Ch- Freedom(Liberty)
<b>February</b>	Final Examination

## SUBJECT – FASHION STUDIES

MONTH	THEORY	PRACTICAL
JULY	<b>UNIT-3 DESIGN FUNDAMENTALS:-</b> Design, designer and design process, elements of design, colour theory and psychology of colour. Colour theory the prang system, colour schemes, colour palette, principles of design.	To identify balance, emphasis and contrast. To observe and identify emotions in the world around them with use of colours. To analyze texture in nature and man-made environment.
AUG	<b>UNIT-2 INTRODUCTION TO FIBRES, DYEING &amp; PRINTING</b> Introduction, classification of textile fibres, natural & manmade fibres, yarns, weaving, dyeing, printing.	To identify basic weaves in fibres. To develop sensitivity towards colours. To discuss different methods of printing & dyeing, Burning test of different fibres. Design a product with self-generated prints inspired from nature. Design a dupatta with tie and dye technique.
	<b>UNIT-1 OVERVIEW OF FASHION</b> Introduction & definition factors influencing fashion, terminology, movement and direction of fashion cycle.	To develop familiarity with the machines. Prepare samples of seams. Prepare samples of seam finishes,
	<b>UNIT-1 OVERVIEW OF FASHION</b> Theories of fashion movement, consumer segmentation, international trade in fashion, regulatory bodies in fashion and textile.	To prepare samples of gathers, pleats and tucks.
SEP	<b>Evaluation</b>	
OCT	<b>UNIT - 4 ELEMENTS OF GARMENT MAKING:-</b> Types and parts of swing machines, swing tools and safety rules, common machine problems.	To prepare samples of tie and dye.
NOV	<b>REVISION UNIT 2 &amp; 3</b>	To prepare the samples printing techniques like block printing and stencil printing.
DEC	<b>EVALUATION</b>	
JAN	<b>REVISION UNIT 1 &amp; 4</b>	Submission of practical file.
FEB	<b>REVISION OF FULL SYLLABUS</b>	



## SUBJECT – HINDUSTANI MUSIC VOCAL

<b>Months</b>	<b>Music Syllabus</b>	
	<b>Practical</b>	<b>Theory</b>
<b>May</b>	Teen tala, knowledge of swara, tala, rag	Raag, swar and saptak
<b>June</b>	Summer holidays	
<b>July</b>	Raag malkauns teen Taal	Thaat and alankar
<b>August</b>	Practice of raag and practice of competition solo song	Jati of rag, life sketch of V.N. bhatkhande
<b>September</b>	Taal kaharwa, raag Bhairav	Tala, Laya, Gharanas
<b>October</b>	Taal tilwara raag malkauns and Bhairav	Khatka, Murli, history of Dhrupad and Khayal
<b>November</b>	Taal jhaptaal, tilwara, practice of both ragas	Gamak, life sketch of Faiyaz khan
<b>December</b>	Practice of all Raag and talas	Tanpura, life sketch of bare Gulam Ali khan
<b>January</b>	Practice of all Raag and talas	Ability to recognize the prescribed ragas from the passages of swaras
<b>February</b>	Revision	
<b>March</b>	Final Exam	

## SUBJECT – KATHAK DANCE

<b>Months</b>	<b>Dance Syllabus</b>	
	<b>Practical</b>	<b>Theory</b>
<b>May</b>	Basic standing position and various pattern of tatkar Practice of exercise of 10 different movements (hastak) Chakkars in Teen Taal in Thah Dugan Chaugan Laya	A brief history of Indian dance
<b>June</b>	Summer holidays	
<b>July</b>	Practice of Tatkar set to Teen Taal in slower Laya & its double & four times	Knowledge of following terms Nritta, Nritya, Natya, Tandava, Lasya
<b>August</b>	Students Should know the following compositions: Thaat, Aamad, Fast aamad	Anga, Upanga, Pratyanga, Sangeet, Tala, Laya, Gharanas of Kathak
<b>September</b>	Exam	
<b>October</b>	Vandna, Tukra, Torha, Natwari Tukra	Explain Nine Rasas, Bhavas & abhinaya
<b>November</b>	Revision	
<b>December</b>	Exam	
<b>January</b>	Gatnikas, Gatbhaav, Paran, Tihaayi Parhant of all matter with Hasta Kriya	Define following terms: Thaat, Tali-Khali, Tihaayi, Aamad Ability to notate: Thaat, Tihayi, Tora, Tukra, Paran, Teen taal, Jhap Taal
<b>February</b>	Revision	
<b>March</b>	Final Exam	

## SUBJECT – WEB APPLICATION

<b>Month</b>	<b>Topic/Chapter</b>
<b>May-June</b>	Employability Skills: Self-Management Skills Communication Skills
<b>July- Aug</b>	UNIT - 2 Website Development Using HTML and CSS Unit-4 Introduction to Dynamic Websites using JavaScript
<b>September</b>	Half Yearly Examination
<b>October</b>	Unit-4 Introduction to Dynamic Websites using JavaScript (Contd...) Employability Skills: Entrepreneurial Skills
<b>November</b>	Unit 1: Basics of Networking and Web Architecture Employability Skills: ICT Skills Green Skills
<b>December</b>	December Examination
<b>January</b>	Unit 3: Multimedia Design- GIMP
<b>February</b>	Final Examination

## SUBJECT – INFORMATICS PRACTICES

<b>Month</b>	<b>Topic/Chapter</b>
<b>May / June</b>	Ch-14 Database Concepts Ch- 15 Structured Query Language
<b>July</b>	Ch- 16 MySQL Command Basics Ch- 17 SQL SELECT Statement
<b>August</b>	Ch -1 Basic Computer Organization Ch – 2 Software Concepts Ch- 18 Emerging Trends
<b>September</b>	Half Yearly Examination
<b>October</b>	Ch- 3 Introduction to Python Ch- 4 Elementary Concepts of Python Ch- 5 Input / Output in Python
<b>November</b>	Ch- 6 Operators and Expression in Python Ch- 7 Conditional Statements in Python Ch- 8 Looping in Python
<b>December</b>	Ch- 9 Lists in Python Ch- 10 Python Dictionaries
<b>January</b>	Ch- 12 Introduction to Numpy Ch- 13 Indexing , Slicing and Arithmetic Operations in Numpy Array
<b>February</b>	Revision

## SUBJECT – INFORMATION TECHNOLOGY

<b>Month</b>	<b>Topic/Chapter</b>
<b>May-June</b>	<b>Employability Skills:</b> Self-Management Skills Communication Skills
<b>July</b>	Unit 1: Computer Organisation
<b>August</b>	Unit 3: Office Automation Unit 4: RDBMS
<b>September</b>	Half Yearly Examination
<b>October</b>	Unit 4: RDBMS (Cont.) Unit 5: Fundamentals of Java
<b>November</b>	Unit 5: Fundamentals of Java (Cont.) Employability Skills: ICT Skills Green Skills
<b>December</b>	December Examination
<b>January</b>	Unit 2: Networking And Internet Employability Skills: Entrepreneurial Skills
<b>February</b>	Revision

**SUBJECT – PUNJABI**

<b>MONTHS</b>	<b>LITERATURE &amp; GRAMMAR</b>	<b>ACTIVITY</b>
<b>MAY</b>	ਮੁਹਾਗ, ਦਫ਼ਤਰੀ ਸ਼ਬਦਾਵਲੀ ਦਾ ਅੰਗਰੇਜ਼ੀ ਤੋਂ ਪੰਜਾਬੀ ਵਿੱਚ ਅਨੁਵਾਦ (A,B,C), ਅਣਡਿੱਠਾ ਪੈਰਾ	<b>LISTENING SKILL</b>
<b>JULY</b>	ਬੋਲੀਆਂ, ਘੋੜੀਆਂ , ਮੁਹਾਵਰੇ (1-20), ਸੰਪਾਦਕ ਨੂੰ ਪੱਤਰ , ਅਣਡਿੱਠਾ ਪੈਰਾ, ਇਸ਼ਤਿਹਾਰ	
<b>AUGUST</b>	ਢੋਲਾ , ਵੱਖ ਵੱਖ ਵਿਸ਼ਿਆਂ ਨਾਲ ਸਬੰਧਿਤ ਸ਼ਬਦਾਵਲੀ ਦਾ ਅੰਗਰੇਜ਼ੀ ਤੋਂ ਪੰਜਾਬੀ ਵਿੱਚ ਅਨੁਵਾਦ (A,B,C), ਸਮਾਜਿਕ ਵਿਸ਼ਿਆਂ ਸਬੰਧੀ ਲੇਖ, ਮੁਹਾਵਰੇ (21-40)	
<b>SEPTEMBER</b>	<b>IST TERM EXAM</b>	
<b>OCTOBER</b>	ਸਿੱਠਣੀਆਂ, ਮਾਹੀਆ, ਬੈਂਕ , ਡਾਕ ਤੇ ਰੇਲਵੇ ਨਾਲ ਸਬੰਧਿਤ ਵਾਕਾਂ ਦਾ ਅੰਗਰੇਜ਼ੀ ਤੋਂ ਪੰਜਾਬੀ ਵਿੱਚ ਅਨੁਵਾਦ, ਸੱਭਿਆਚਾਰਕ ਵਿਸ਼ਿਆਂ ਨਾਲ ਸਬੰਧਿਤ ਲੇਖ	<b>PROJECT</b>
<b>NOVEMBER</b>	ਟੱਪੇ, ਬੁਝਾਰਤਾਂ, ਦੰਤ ਕਥਾਵਾਂ , ਮੁਹਾਵਰੇ (41-60)	
<b>DECEMBER</b>	<b>EXAM</b>	
<b>JANUARY</b>	ਪ੍ਰੀਤ ਕਥਾਵਾਂ, ਮੁਹਾਵਰੇ(61-81), ਸੱਦਾ- ਪੱਤਰ, ਮਨੋਰੰਜਨ ਨਾਲ ਸਬੰਧਿਤ ਵਿਸ਼ਿਆਂ ਬਾਰੇ ਲੇਖ ,ਬੀਮਾ ਤੇ ਕੰਪਿਊਟਰ ਨਾਲ ਸਬੰਧਿਤ ਵਾਕਾਂ ਦਾ ਅੰਗਰੇਜ਼ੀ ਤੋਂ ਪੰਜਾਬੀ ਵਿੱਚ ਅਨੁਵਾਦ	<b>WRITING SKILL</b>
<b>FEBRUARY</b>	<b>REVISION &amp; IInd TERM EXAM</b>	

## SUBJECT – PHYSICAL EDUCATION

<b>Month</b>	<b>Chapter</b>
<b>May June</b>	Chapter 1 Changing Trends & Career In Physical Education
<b>July</b>	Chapter 2 Olympics Chapter 3 Yoga
<b>August</b>	Chapter 4 Physical Education & Sports For CWSN Chapter 5 Physical Fitness, Health And Wellness
<b>September</b>	Half Yearly Examination
<b>October</b>	Chapter 6 Test Measurements & Evaluation Chapter 7 Fundamental Of Anatomy, Physiology In Sports
<b>November</b>	Chapter 8 Fundamentals Of Kinesiology And Biomechanics Chapter 9 Psychology & Sports
<b>December</b>	December Examination
<b>January</b>	Chapter 10 Training And Doping In Sports

## SUBJECT – FINANCIAL MARKETS MANAGEMENT

Month	Syllabus to be covered
May	Unit 1:- Markets and Financial Instruments
June	Summer Vacation – Holidays Homework
July	Unit 2:-Primary and Secondary Markets
August	Unit 2:-Primary and Secondary Markets <u>Employability skills</u> - Communication skills
September	<u>Term 1 Examination</u>
October	Unit 3:- Mutual Funds Products and Features Unit4:-ETFs, Debt and Liquid Funds
November	Unit 5:- Taxation and Regulation <u>Employability skills</u> :- <ul style="list-style-type: none"><li>• Self management skills</li><li>• ICT skills</li><li>• Entrepreneurial skills</li></ul>
December	<u>UNIT TEST</u>
January	Unit 6:-Quantitative Evaluation of Mutual Funds Schemes <u>Employability skills</u> <ul style="list-style-type: none"><li>• Green Skills</li></ul>
February	<i>FINAL EXAMINATION</i>



## SUBJECT – FOOD NUTRITION AND DIETETICS

MONTH	SYLLABUS TO BE COVERED	PRACTICAL
<b>July</b>	<b>Unit -I</b> Chapter 1. Food and nutrition : Basic concepts Chapter 2- Nutritional status and Primary Health Status Chapter 3- Nutrients Chapter 4- Recommend Dietary Allowances (RDA) Chapter 5- Concepts of meal planning	Practical related to Ch.1 to 5 will be done in the class.
<b>August</b>	<b>Unit- II Nutrition through the life cycle</b> Chapter 1- Nutrition during infancy (0-1 years) and preschool years (1 – 6 years) Chapter 2- Nutrition during childhood and Adolescence Chapter 3- Nutrition during Adulthood and old age Chapter 4- Nutrition during Pregnancy and lactation  <b>Unit – III Public Health and Nutrition Basic concepts.</b> Chapter 1.Human Development Index (HDI) Sustainable Development Goals (SDG) Basic concepts Chapter 2- Malnutrition Chapter 3- Methods for assessment nutritional status	Practical related to Ch.1to 4 will be done in the class.       Practical related to Ch. 1 to 3 will be done in the class.
<b>September</b>	<b>Evaluation</b>	
<b>October</b>	<b>Unit - IV Public Health and Nutrition Disorders</b> Chapter 1- Major Deficiency Disorders Chapter 2. Other Nutrition Problems Chapter 3- Over weight / Obesity: Definition/ classification (WHO), causes and consequences Chapter 4- Non communicable Diseases (Diabetes, CVD, Cancer) concepts, prevalence, causes and consequences	Practical related to Ch.1 to 4 will be done in the class
<b>November</b>	<b>Unit - V Public Health and Nutrition: Programmes and Policies</b> Chapter 1. National Programmes for Welfare Of Women and Children Chapter 2- Programmes for Welfare of Adolescent girls and Women  <b>Unit - VI Nutrition Education Communication and Behaviour Change</b>	Practical related to the chapters 1&2 will be done in the class.       Practical related to the chapter will be done in the class.
<b>December</b>	<b>Evaluation</b>	
<b>January</b>	<b>Revision of Unit 1 to 3 and practicals</b>	
<b>February</b>	<b>Revision of Unit 4 to 6 and practicals</b>	