

GURU NANAK PUBLIC SCHOOL, SARABHA NAGAR, LUDHIANA
REVISED TERM-WISE SYLLABUS
SESSION: 2021-22
CLASS – XI

SUBJECT – ENGLISH

TERM I	<p>Hornbill 1.The Portrait of a Lady 2. We are Not Afraid to Die....If We Can All Be Together 3. Discovering Tut: The Saga Continues 4. Landscape of the Soul Poems 1. A Photograph 2. The Laburnum Top Snapshots 1.The Summer of the Beautiful White Horse 2. The Address 3. Ranga’s Marriage</p> <p>Writing Skills: Notice, Letter of Enquiry and Placing order Sending Replies, Letter of Complaint, Speech, Reading Skills: Comprehension</p>	<p>MCQS (90 mins.)</p> <p>40 MARKS+10 MARKS Internal Assessment</p>
TERM II	<p>Hornbill 1.The Ailing Planet: The Green Movement’s Role 2. The Browning Version 3. Silk Road Poems 1. The Voice of the Rain 2. Childhood Snapshots 1. Albert Einstein at School 2. Mother’s Day 3. Birth Writing Skills: Posters, Letter to School/College, Debate Reading Skills: Note making, Comprehension</p>	<p>Subjective Paper (2 Hrs)</p> <p>40 MARKS+10 MARKS Internal Assessment</p>

SUBJECT – BIOLOGY

TERM I	<p>Ch-1 The Living World Ch-2 Biological Classification Ch-3 Plant Kingdom Ch-4 Animal Kingdom Ch-5 Morphology of Flowering Plants Ch-7 Structural Organization in Animals Ch-8 Cell – the Unit of Life Ch-9 Biomolecules</p> <p style="text-align: center;">PRACTICALS</p> <p>A – EXPERIMENTS</p> <ol style="list-style-type: none"> 1. Study & describe available flower of family Solanaceae or Liliaceae 2. Study of osmosis by potato osmometer <p>B – SPOTTING</p> <ol style="list-style-type: none"> 1. Parts of Compound microscope 2. Plant specimens & their identifying features 3. Animal specimens & their identifying features 	<p>MCQS (90 mins.)</p> <p>35 MARKS+15 MARKS Practical</p>
TERM II	<p>Ch-10 Cell Cycle and Cell Division Ch-13 Photosynthesis in Higher Plants Ch-14 Respiration in Plants Ch-15 Plant – Growth and Development Ch-17 Breathing and Exchange of Gases Ch-18 Body fluids and Circulation Ch-19 Excretory Products and their Elimination Ch-20 Locomotion and Movement Ch-21 Neural Control and Coordination Ch-22 Chemical Coordination and Integration</p> <p style="text-align: center;">PRACTICALS</p> <p>A – EXPERIMENTS</p> <ol style="list-style-type: none"> 1. Chromatography 2. Distribution of stomata 3. Study of rate of respiration in germinating seeds 4. Test for the presence of sugar & albumin in urine <p>B – SPOTTING</p> <ol style="list-style-type: none"> 1. Study of different animal tissues through permanent slides 2. Mitosis in Onion root tip cell 	<p>Subjective Paper (2 Hrs)</p> <p>35 MARKS+15 MARKS Practical</p>

SUBJECT – CHEMISTRY

TERM I	Unit-1: Some Basic Concepts of Chemistry Unit-2: Structure of Atom Unit-3: Classification of elements and periodicity in properties Unit-4: Chemical Bonding and molecular structure Unit-8: Redox Reactions Unit-9: Hydrogen Unit-12: Organic Chemistry: Some Basic Principles & Techniques Practical : Volumetric Analysis 1. To find the strength of given sol. of NaOH using std. oxalic acid solution. 2. To find the strength of given sol. of HCl using std. Na ₂ CO ₃ solution.	MCQS (90 mins.) 35 MARKS+15 MARKS Practical
TERM II	Unit-5: States of matter Unit-6: Thermodynamics Unit-7: Equilibrium Unit-10: S-Block elements Unit-11: P-Block elements Unit-13: Hydrocarbons Practical : Salt Analysis	Subjective Paper (2 Hrs) 35 MARKS+15 MARKS Practical

SUBJECT – PHYSICS

TERM I	<p>Unit I Physical World and Measurement Ch.1 Physical World Ch.2 Units and Measurement</p> <p>Unit II Kinematics Ch.3 Motion in a Straight Line Ch.4 Motion in a Plane</p> <p>Unit III Laws of Motion Ch.5 Laws of Motion</p> <p>Unit IV Work, Energy and Power Ch.6 Work, Energy and Power</p> <p>Unit V Motion of System of Particles and Rigid Body Ch.7 System of Particles and Rotational Motion</p> <p>Unit VI Gravitation Ch.8 Gravitation</p> <p>Practicals:-</p> <ol style="list-style-type: none"> To measure diameter of a small spherical/cylindrical body and to measure external diameter and depth of a given beaker using Vernier Calipers. To measure diameter of a given wire and thickness of a given sheet using Screw Gauge. <p>OR</p> <p>To find volume of an irregular lamina using Screw Gauge.</p> <ol style="list-style-type: none"> To determine radius of curvature of a given spherical surface by a Spherometer. To find weight of a given body using Ilgm law of vectors. Using a simple pendulum plot its $L-T^2$ graph & find out effective length of second's pendulum. To study the relationship b/w force of limiting friction & normal reaction and find out μ. 	<p>MCQS (90 mins.)</p> <p>35 MARKS+15 MARKS Practical</p>
TERM II	<p>UNIT VII Properties of Bulk Matter Ch.9 Mechanical Properties of Solids Ch.10 Mechanical Properties of Fluids Ch.11 Thermal Properties Of Matter</p> <p>UNIT VIII THERMODYNAMICS Ch.12 Thermodynamics</p> <p>UNIT IX BEHAVIOUR OF PERFECT GASES AND KINETIC THEORY OF GASES Ch.13 Kinetic Theory</p> <p>UNIT X OSCILLATIONS AND WAVES Ch.14 Oscillations Ch.15 Waves</p> <p>Practicals:-</p> <ol style="list-style-type: none"> To find the force constant of a given helical spring by plotting a graph b/w load and extension. To find coefficient of viscosity of a given viscous liquid. To study the relationship b/w the temperature of a hot body and time by plotting a cooling curve. To study the relationship b/w frequency and length of a given wire using Sonometer. To find the speed of sound in air at room temperature using a resonance tube. 	<p>Subjective Paper (2 Hrs)</p> <p>35 MARKS+15 MARKS Practical</p>

SUBJECT – MATHEMATICS (041)

TERM I	Ch 1 Sets Ch 2 Relations and Functions Ch 5 Complex Numbers and Quadratic Equations Ch 9 Sequence and Series Ch 10 Straight Lines Ch 13 Limits Ch 15 Statistics	MCQS (90 mins.) 40 MARKS+10 MARKS Internal Assessment
TERM II	Ch 3 Trigonometric Functions Ch 6 Linear Inequalities Ch 7 Permutations and Combinations Ch 11 Conic Sections Ch 12 Introduction to Three dimensional Geometry Ch 13 Derivatives Ch 16 Probability	Subjective Paper (2 Hrs) 40 MARKS+10 MARKS Internal Assessment

SUBJECT – ACCOUNTANCY

TERM I	<p style="text-align: center;">Part A: Financial Accounting-I</p> <p>Unit 1 Theoretical Framework: Introduction To Accounting Theory Base Of Accounting</p> <p>Unit 2 Accounting Process: Recording Of Business Transactions, Bank Reconciliation Statement, Depreciation, Provisions And Reserves</p>	<p>MCQS (90 mins.)</p> <p>40 MARKS+10 MARKS Internal Assessment</p>
TERM II	<p>Unit 2 Accounting Process: Accounting For Bills Of Exchange Trial Balance And Rectification Of Errors</p> <p style="text-align: center;">Part B: Financial Accounting-II</p> <p>Unit 3 Financial Statements Of Sole Proprietorship From Complete And Incomplete Records</p> <p>Unit 4 Computers In Accounting</p>	<p>Subjective Paper (2 Hrs)</p> <p>40 MARKS+10 MARKS Internal Assessment</p>

SUBJECT – BUSINESS STUDIES

TERM I	Foundations of Business: 1. Evolution and Fundamentals of Business 2. Forms of Business Organisations 3. Public, Private and Global Enterprises 4. Business Services 5. Modes of Business 6. Social Responsibility of Business and Business Ethics Project Work (Part-1)	MCQS (90 mins.) 40 MARKS+10 MARKS Internal Assessment
TERM II	7. Finance and Trade 8. Sources of Business Finance 9. Small Business and Entrepreneurship Development 10. Internal Trade 11. International Business Project Work (Part-2)	Subjective Paper (2 Hrs) 40 MARKS+10 MARKS Internal Assessment

SUBJECT – ECONOMICS

TERM I	Statistics for Economics: Introduction Collection, Organisation and Presentation of Data Statistical Tools and Interpretation and Mode Introductory Microeconomics: Introduction of Economy Consumer's Equilibrium and Demand Project Work (Part-1)	MCQS (90 mins.) 40 MARKS+10 MARKS Internal Assessment
TERM II	Statistics for Economics: Statistical Tools and Interpretation – Measures of Dispersion, Correlation, Index Number Introductory Microeconomics: Producer Behaviour and Supply Forms of Market and Price Determination Under Perfect Competition with Simple Applications Project Work (Part-2)	Subjective Paper (2 Hrs) 40 MARKS+10 MARKS Internal Assessment

SUBJECT – ENTREPRENEURSHIP

TERM I	Unit 1 Entrepreneurship: Concept and Functions Unit 2 An Entrepreneur Unit 3 Entrepreneurial Journey Unit 4 Entrepreneurship as Innovation Problem Solving Project Work (Part 1)	MCQS (90 mins.) 40 MARKS+10 MARKS Internal Assessment
TERM II	Unit 5 Understanding the Market Unit 6 Business Finance and Arithmetic Unit 7 Resource Mobilization Project Work (Part 2)	Subjective Paper (2 Hrs) 40 MARKS+10 MARKS Internal Assessment

SUBJECT – PHYSICAL EDUCATION

TERM I	Ch 1- Changing Trends and Career in Sports Ch 2- Olympic Value Education Ch 3- Physical Fitness, Wellness and Lifestyle Ch 4- Physical Education and Sports For CWSN Ch 5- Yoga	MCQS (90 mins.) 35MARKS+15 MARKS Practical
TERM II	Ch 6- Physical Activity and Leadership Training Ch 7- Test and Measurement and Evaluation Ch 8- Fundamental of Anatomy, Physiology and Kinesiology in Sports Ch 9- Psychology and Sports Ch 10- Training and Doping Sports	Subjective Paper (2 Hrs) 35 MARKS+15 MARKS Practical

SUBJECT – PAINTING & COMMERCIAL ARTS

TERM I	<p>Introduction The Elements and Principle of Art Unit 1 Ch 1 - Pre-Historic Rock painting and art of Indus valley Ch 2 - Art of Indus valley civilization</p> <p>Practical Painting 3 Landscapes, 3 Composition, 4 Still life</p> <p>Commercial Arts 3 Advertisement, 3 Poster, 4 Illustrations</p>	<p>MCQS (90 mins.)</p> <p>15 MARKS+35 MARKS Practical</p>
TERM II	<p>Unit 2 - Buddhist, Jain and Hindu Art Ch 3 -</p> <ul style="list-style-type: none">• General introduction of Art during Mauryan, Shunga, Kushana and Gupta period• Lion capital from Sarnath• Bodhisattva head from Takshila• Seated Buddha Sarnath <p>Ch 4 - Art of Ajanta</p> <p>Practical Painting 3 Landscapes, 3 Composition, 4 Still life</p> <p>Commercial Arts 3 Advertisement, 3 Poster, 4 Illustrations</p>	<p>Subjective Paper (2 Hrs)</p> <p>15 MARKS+35 MARKS Practical</p>

SUBJECT – LEGAL STUDIES

TERM I	<p>Theory and Nature of Political Institutions</p> <ul style="list-style-type: none">i. Organs of Governmentii. Separation of Powersiii. Basic features of the Constitution of India <p>Nature and Sources of Law</p> <ul style="list-style-type: none">i. Classification of Lawii. Sources of Lawiii. Law Reform <p>Historical Evolution of the Indian Legal System</p> <ul style="list-style-type: none">i. Ancient Indian Lawii. Making of the Indian Constitution	<p>MCQS (90 mins.)</p> <p>40 MARKS+10 MARKS Internal Assessment</p>
TERM II	<p>Judiciary: Constitutional, Civil and Criminal Courts and Processes</p> <ul style="list-style-type: none">i. Constitution: Roles and Impartialityii. Hierarchy of Courtsiii. The Civil Court Structureiv. Structure and functioning of Criminal Courts in Indiav. Other Courts in India <p>Family Justice System</p> <ul style="list-style-type: none">i. Introductionii. Institutional Frameworkiii. Marriage and Divorceiv. Domestic Violence	<p>Subjective Paper (2 Hrs)</p> <p>40 MARKS+10MARKS Internal Assessment</p>

SUBJECT – POLITICAL SCIENCE

TERM I	Political Theory Ch- Political Theory: An Introduction Ch- Rights Ch- Development Indian Constitution At Work Ch- Constitution: When And How? Ch- Election and Representation Ch- Local Government	MCQS (90 mins.) 40 MARKS+10 MARKS Internal Assessment
TERM II	Political Theory Ch- Liberty (Freedom) Ch- Equality Ch- Social Justice Indian Constitution At Work Ch- Executive Ch- Legislature Ch- Judiciary	Subjective Paper (2 Hrs) 40 MARKS+10 MARKS Internal Assessment

SUBJECT – PSYCHOLOGY

Term I	Unit I What is Psychology? Unit II Methods of Enquiry in Psychology Unit III The Bases of Human Behaviour Practical – Project Work	MCQS (90 mins.) 35 MARKS+15 MARKS Practical
Term II	Unit IV Human Development Unit V Sensory, Attentional and Perceptual processes Unit VI Learning Unit VII Human Memory Practical – One experiment related to the topics covered in the course	Subjective Paper (2 Hrs) 35 MARKS+15 MARKS Practical

SUBJECT – INFORMATIC PRACTICES

TERM I	<p style="text-align: center;">THEORY</p> <ol style="list-style-type: none">1. Introduction to Computer system2. Introduction to Python <p style="text-align: center;">Practical</p> <ol style="list-style-type: none">1. Python Program2. Practical File (15 programs)3. Viva	<p style="text-align: center;">MCQS (90 mins.)</p> <p style="text-align: center;">35 MARKS+15 MARKS Practical</p>
TERM II	<p style="text-align: center;">THEORY</p> <ol style="list-style-type: none">1. Database concepts and the Structured Query Language2. Introduction to Emerging Trends <p style="text-align: center;">Practical</p> <ol style="list-style-type: none">1. SQL Queries2. Practical File (20 Queries)3. Viva	<p style="text-align: center;">Subjective Paper (2 Hrs)</p> <p style="text-align: center;">35 MARKS+15 MARKS Practical</p>

SUBJECT – HINDUSTANI MUSIC VOCAL

TERM I	<p style="text-align: center;">Theory</p> <ol style="list-style-type: none"> 1. Brief study of the: - Alankars, Raag, Swar, Saptak, Thaata 2. Detailed study of Jaati of Ragas. 4. Description of prescribed taals along with taal notation with Thah, Dugun and Chaugun:- Teentaal and Jhaptaal 5. Critical study and writing in notation the composition of the prescribed raags from phrases of Swaras and elaborating them: - Bhairav <p style="text-align: center;">Practical</p> <ol style="list-style-type: none"> 1. One Drut khayal with simple elaborations and few taans in each of the following raag:- Bhairav 2. Recitation of the Thekas of the Talas with Thah, Dugun and Chaugun, keeping tala with hand beats:- Jhaptaal, Teentaal 3. Ability to recognize the Ragas from the Phrases of swaras rendered by Examiner 5. Practical file 	<p>MCQS (90 mins.)</p> <p>15 MARKS+35 MARKS Practical</p>
TERM II	<p style="text-align: center;">Theory</p> <ol style="list-style-type: none"> 1. Brief study of the: - Kann, Khatka, Murki 2. Detailed study of the: - Dhrupad and Khayal 3. Life sketch and contribution to music of: - Faiyaz Khan, V.N.Bhatkhande 4. Knowledge of tuning of the Tanpura 5. Critical study and writing in notation the compositions of the prescribed Raga along with recognizing the Raga from phrases of Swaras and elaborating it: - Malkauns 6. Recitation of the Thekas of the Talas with Thah, Dugun and Chaugun, keeping tala with hand beats:- Jhaptaal, Teentaal and Rupak <p style="text-align: center;">Practical</p> <ol style="list-style-type: none"> 1. One Drut Khayal with simple elaboration and few taans in Ragas Malkauns and Bhairav 2. Ability to recognize the prescribed Ragas from the phrases of Swaras rendered by the Examiner 3. Tuning of Tanpura and questions regarding it 4. Recitation of the Thekas of the Talas with Thah, Dugun and Chaugun, keeping tala with hand beats:- Jhaptaal, teentaal and Rupak 	<p>Subjective Paper (2 Hrs)</p> <p>15 MARKS+35 MARKS Practical</p>

SUBJECT – APPLIED MATHEMATICS (241)

TERM I	Ch 1 Numbers Ch 2 Indices and Logarithms Ch 3 Quantitative Aptitude Ch 4 Mensuration Ch 5 Sets and Relations Ch 6 Sequences and Series Ch 9 Functions Ch 13 Descriptive Statistics	MCQS (90 mins.) 40 MARKS+10 MARKS Internal Assessment
TERM II	Ch 7 Permutations and Combinations Ch 10 Limits and Continuity Ch 11 Differentiation Ch 12 Probability Ch 14 Compound Interest and Annuity Ch 15 Taxation Ch 16 Utility Bills Ch 17 Straight Line Ch 18 Circle and Parabola	Subjective Paper (2 Hrs) 40 MARKS+10 MARKS Internal Assessment

SUBJECT – FASHION STUDIES

TERM I	<p>L-1 Overview of fashion. L-2 Introduction to fibres, dyeing and printing. L-3 Design fundamentals.</p> <p>Practical</p> <ol style="list-style-type: none">1. Colour wheel.2. Colour schemes.3. Textures.4. Block printing.5. Stencil printing.6. Weaving.7. Design inspired from nature8. Design inspired from animal prints.	<p>MCQS (90 mins.)</p> <p>40 MARKS+10 MARKS Practical</p>
TERM II	<p>L-2 Introduction to fibres, dyeing and printing. L-4 Elements of garment making.</p> <p>Practical</p> <ol style="list-style-type: none">1. Tie and Dye.2. Machine and its parts.3. Seams.4. Tucks.5. Pleates.6. Gathers.	<p>Subjective Paper (2 Hrs)</p> <p>40 MARKS+10 MARKS Practical</p>

SUBJECT – PUNJABI

TERM I	<ol style="list-style-type: none">1. ਅਣਡਿੱਠਾ ਪੈਰਾ2. ਦਫ਼ਤਰੀ ਸ਼ਬਦਾਵਲੀ3. ਵੱਖ ਵੱਖ ਵਿਸ਼ਿਆਂ ਨਾਲ ਸਬੰਧਤ ਸ਼ਬਦਾਵਲੀ4. ਬੈਂਕ, ਰੇਲਵੇ, ਬੀਮਾ-ਸੇਵਾਵਾਂ ਅਤੇ ਕੰਪਿਊਟਰ ਨਾਲ ਸਬੰਧਤ ਵਾਕ5. ਮੁਹਾਵਰੇ (ਓ ਤੋਂ ਖ ਤੱਕ)6. ਸੁਹਾਗ, ਘੋੜੀਆਂ, ਬੋਲੀਆਂ, ਢੋਲਾ (Literature)	<p>MCQS (90 mins.)</p> <p>40 MARKS+10 MARKS Internal Assessment Listening + Speaking Skills</p>
TERM II	<ol style="list-style-type: none">1. ਮੁਹਾਵਰੇ ਗ ਤੋਂ ਡ ਤੱਕ2. ਇਸ਼ਤਿਹਾਰ/ ਸੱਦਾ ਪੱਤਰ3. ਅਖਬਾਰ ਦੇ ਸੰਪਾਦਕ ਨੂੰ ਪੱਤਰ4. ਸਮਾਜਿਕ, ਸੱਭਿਆਚਾਰਕ ਤੇ ਮਨੋਰੰਜਨ ਵਿਸ਼ਿਆਂ ਸਬੰਧੀ ਲੇਖ5. ਟੱਪੇ, ਬੁਝਾਰਤਾਂ, ਦੰਤ-ਕਥਾਵਾਂ ਤੇ ਪ੍ਰੀਤ ਕਥਾਵਾਂ (Literature)	<p>Subjective Paper (2 Hrs)</p> <p>40 MARKS+10 MARKS Internal Assessment Speaking + Writing Skills</p>