

Bal Bharati Public School				
PHASE III DUGRI LUDHIANA				
Class XI				
Syllabus 2023-24				
	Unit Test I	Mid Term	UNIT TEST 2	ANNUAL EXAMINATION
English	Unseen passage to assess inference, evaluation, vocabulary, analysis and interpretation: Hornbill: Portrait of a Lady, We are not afraid to die.....,The Photograph Snapshots: The Summer of Beautiful White Horse. Writing Skills: Classified Advertisement Grammar: Determiners	Reading: Note- Making, Reading Passages (Discursive and Case-Based) Literature-Hornbill : Prose- Portrait of a Lady, We are not afraid to die.....,Discovering Tut:The Saga Continues Poems: A Photograph,The Laburnum Top Snapshots: The Summer of Beautiful White Horse, The Address Writing: Classified Advertisement,Poster Making, Speech Writing Grammar: Subject Verb Agreement, Determiners, Tenses, Transformation of Sentences, Sentence Re-ordering, Gap Filling	Question based on the following kinds of unseen passages to assess inference, evaluation, vocabulary, analysis and interpretation: 1. Discursive passage (400-450 words) 2. Case based Factual passage (with visual input/statistical data/ chart etc. 200-250 words) Hornbill: The Voice of the Rain, Childhood, The Adventure, Silk Road Snapshots: Mother's Day, Birth Writing Skills: Advertisement, Poster making, Speech Grammar: Transformation of Sentences, gap filling, Tenses.	Reading: Note- Making, Reading Comprehension Passages (Discursive and Case-Based) Literature: Hornbill: Prose- Portrait of a Lady, We are not afraid to die....., Discovering Tut:The Saga Continues, The Adventure, Silk Road Poems: A Photograph,The Laburnum Top, The Voice of the Rain, Childhood, Father to Son Snapshots: The Summer of Beautiful White Horse, The Address, Mother's Day, Birth, The Tale of Melon City Writing Skills: Classified Advertisement,Poster Making, Speech Writing, Debate Writing Grammar: Tenses, Clauses, Subject Verb Agreement, Determiners, Transformation of Sentences, Sentence Re-ordering, Gap Filling
Physics	UNIT 1 Physical World And Measurement. Chapter 2 (Units And Measurement), Unit 2 Kinematics Chapter 3 Motion in a Straight line	Unit 1 Physical World And Measurement Chapter 2 Units And Measurement,Unit 2 Kinematics Chapter 3 Motion in a Straight line Chapter 4 Motion in a Plane, Ch 5 Laws Of Motion , Ch 6 Work Energy Power, Ch 7 Motion of System of Particles and Rigid Body	Chapter 8 Gravitation Chapter 9 Mechanical Properties of solids Chapter 10 Mechanical properties of fluids	Full Syllabus
Chemistry	Unit 1: Some basic concepts of Chemistry	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	Ch- Organic Chemistry: Some basic principles and techniques Ch- Thermodynamics Ch- Redox Reactions	Full Syllabus
Biology	Chapter-8: Cell-The Unit of Life ,Chapter-9: Biomolecules	Chapter-8: Cell-The Unit of Life ,Chapter-9: Biomolecules,Chapter-10: Cell Cycle and Cell Division,Chapter-17: Breathing and Exchange of Gases,Chapter-18: Body Fluids and Circulation, Chapter-19: Excretory Products and their Elimination,Chapter-20: Locomotion and Movement	Chapter-21: Neural Control and Coordination, Chapter-22: Chemical Coordination and Integration	Full Syllabus
Accountancy	Introduction to Accounting, Basic Accounting terms, Accounting equation , Accounting procedure- Rules of debit and credit	Introduction to Accounting, Basic Accounting terms, Accounting equation , Accounting procedure-Rules of debit and credit, Journal, Ledger, Trial Balance,Theory Base of Accounting and Accounting standards, Bases of Accounting , Subsidiary Books-Cash Book and other subsidiary books.	Bank Reconciliation Statement, Depreciation, Provision & Reserves ,Rectification of Errors	Full Syllabus
Business studies	Nature and Purpose of Business , Forms of Business organisation	Nature and Purpose of Business , Forms of Business organisation,Public Private and Global enterprises , Business Services	Emerging modes of business,Social responsibility of business and business ethics,Sources of business finance,Small business	Full Syllabus
Economics	Unit 4: Introduction to Microeconomics:Meaning of microeconomics and macroeconomics; positive and normative economics;What is an economy? Central problems of an economy: what, how and for whom to produce; concepts of production possibility frontier and opportunity cost. Unit 5: Consumer's Equilibrium and Demand Consumer's equilibrium - meaning of utility, marginal utility, law of diminishing marginal utility, conditions of consumer's equilibrium using marginal utility analysis.Indifference curve analysis of consumer's equilibrium-the consumer's budget (budget set and budget line), preferences of the consumer (indifference curve, indifference map) and conditions of consumer's equilibrium	Part A: Statistics for Economics:Unit 1: Introduction;Unit 2: Collection, Organisation and Presentation of data(Collection of data - sources of data - primary and secondary; how basic data is collected with concepts of Sampling; methods of collecting data; some important sources of secondary data: Census of India and National Sample Survey Organisation.Organisation of Data: Meaning and types of variables; Frequency Distribution;Presentation of data:Tabular Presentation and Diagrammatic Presentation of Data:(i) Geometric forms (bar diagrams and pie diagrams), (ii) Frequency diagrams(histogram, polygon and Ogive) and (iii) Arithmetic line graphs (time series graph). Part B:Introductory Microeconomics:Unit 4: Introduction:Meaning of microeconomics and macroeconomics; positive and normative economics;What is an economy? Central problems of an economy: what, how and for whom to produce; concepts of Production Possibility Frontier and Opportunity Cost.;Unit 5: Consumer's Equilibrium and Demand:Consumer's equilibrium - meaning of Utility, Marginal Utility, Law of Diminishing Marginal Utility, conditions of consumer's equilibrium using marginal utility analysis. Indifference curve analysis of consumer's equilibrium-the consumer's budget (budget set and budget line), preferences of the consumer (indifference curve, indifference map) and conditions of consumer's equilibrium. Demand, market demand, determinants of demand, demand schedule, demand curve and its slope, movement along and shifts in the demand curve; price elasticity of demand - factors affecting price elasticity of demand; measurement of price elasticity of demand - percentage-change method and total expenditure method.	Part A: Statistics for Economics:Unit 3: Statistical Tools and Interpretation:Measures of Central Tendency- Arithmetic mean, Median and Mode Part B: Introductory Microeconomics:Unit 6: Producer Behaviour and Supply ; Meaning of Production Function – Short-Run and Long-Run Total Product, Average Product and Marginal Product. Returns to a Factor Cost – Short run costs - Total Cost, Total Fixed Cost, Total Variable Cost; Average Cost; Average Fixed Cost, Average Variable Cost and Marginal Cost - meaning and their relationships. Revenue – Total Revenue, Average Revenue and Marginal Revenue - meaning and their relationship. Producer's Equilibrium - meaning and its conditions in terms of Marginal RevenueMarginal Cost.Supply, market supply, determinants of supply, supply schedule, supply curve and its slope, movements along and shifts in supply curve, price elasticity of supply; measurement of price elasticity of supply - percentage-change method.	Full Syllabus
Mathematics	Sets, Relations and Functions, Trigonometric Functions	Sets, Relations and Functions, Trigonometric Functions, Complex Numbers and Quadratic Equations, Linear Inequalities, Permutations and Combinations, Binomial Theorem, Sequences and Series	Straight Lines, Conic Sections, Introduction to Three-dimensional Geometry	Sets, Relations and Functions, Trigonometric Functions, Complex Numbers and Quadratic Equations, Linear Inequalities, Permutations and Combinations, Binomial Theorem, Sequences and Series, Straight Lines, Conic Sections, Introduction to Three-dimensional Geometry, Limits and Derivatives, Statistics, Probability
Applied Mathematics	Unit – 2 Algebra, Unit - 3 Mathematical Reasoning	Unit - 1 Numbers, Quantifications and Numerical Applications, Unit - 2 Algebra, Unit - 3 Mathematical Reasoning, Unit - 4 Calculus, Unit - 5 Probability	Unit - 6 Descriptive Statistics, Unit - 8 Coordinate Geometry	Unit - 1 Numbers, Quantifications and Numerical Applications, Unit - 2 Algebra, Unit - 3 Mathematical Reasoning, Unit - 4 Calculus, Unit - 5 Probability, Unit - 6 Descriptive Statistics, Unit - 7 Financial Mathematics, Unit - 8 Coordinate Geometry

Political Science	Part A: 1.Constitution Why and How and the Philosophy 2. Rights in the Indian Constitution 3.Election & Representation 4..The Executive	Part A: 1.Constitution Why How and Philosophy of the Constitution 2. Rights in the Indian Constitution. 3.Election &Representation4.Executive 5.Legislature 6.Judiciary7.Federalism 8. Local Governments 9. Constitution as a Living Document. 10. The Philosophy of the Constitution.	Part-B 1. Political Theory:An Introduction 2. Freedom 3. Equality.4. Social Justice	Unit Test I, Mid -Term, Unit Test II and the following Part B- 5. Rights 6. Citizenship 7. Nationalism 8. Secularism
Sociology	Ch- Sociology, Society and its relationship with other social sciences , Ch- Terms, Concepts and their Use in Sociology	Ch- Sociology, Society and its relationship with other social sciences , Ch- Terms, Concepts and their Use in Sociology, Ch- Understanding Social Institutions , Ch- Culture and Socialization,	Ch- Sociology, Society and its relationship with other social sciences , Ch- Terms, Concepts and their Use in Sociology, Ch- Understanding Social Institutions , Ch- Culture and Socialization, Ch- Social Change and Social order in Rural and Urban Society Ch- Indian Sociologists	Ch- Sociology, Society and its relationship with other social sciences , Ch- Terms, Concepts and their Use in Sociology, Ch- Understanding Social Institutions , Ch- Culture and Socialization, Ch- Social Change and Social order in Rural and Urban Society Ch- Indian Sociologists Ch- Western Sociologists Final Practical Exam (Project)
Psychology	Chapter I: What Is Psychology? Chapter II: Methods of Enquiry in Psychology	: Chapter I: What Is Psychology? Chapter II: Methods of Enquiry in Psychology Chapter IV: Human Development Chapter V: Sensational, Attentional and Perceptual Processes	Chapter VI: Learning Chapter VII: Human Memory	Chapter I: What Is Psychology? Chapter II: Methods of Enquiry in Psychology Chapter IV: Human Development Chapter V: Sensational, Attentional and Perceptual Processes Chapter VI: Learning Chapter VII: Human Memory Chapter VIII: Thinking Chapter IX: Motivation and Emotion
Physical education	(Unit 1) Changing Trends and Careers in Physical Education, (Unit 2) Olympism Value Education	(Unit 1) Changing Trends and Careers in Physical Education, (Unit 2) Olympism Value Education, (Unit 3) Yoga, (Unit 4) Physical Education and Sports for Children with Special Needs, (Unit 5)Physical Fitness, Wellness, and Lifestyle.	(Unit 6)Test, Measurement & Evaluation, (Unit 7) Fundamentals of Anatomy, Physiology in Sports	(Unit 1) Changing Trends and Careers in Physical Education, (Unit 2) Olympism Value Education, (Unit 3) Yoga, (Unit 4) Physical Education and Sports for Children with Special Needs, (Unit 5) Physical Fitness, Wellness, and Lifestyle, (Unit 6)Test, Measurement & Evaluation, (Unit 7) Fundamentals of Anatomy, Physiology in Sports, (Unit 8) Fundamentals Of Kinesiology And Biomechanics in Sports , (Unit 9) Psychology and Sports, (Unit 10) Training & Doping in Sports
Home Science	UNIT-I: INTRODUCTION TO HOME SCIENCE Chapter 1. Introduction to Home Science. UNIT-II: UNDERSTANDING ONESELF: ADOLESCENCE Chapter 3. Food, Nutrition, Health and Fitness; Chapter 5. Fabric Around Us.	UNIT-I: INTRODUCTION TO HOME SCIENCE Chapter 1. Introduction to Home Science. UNIT-II: UNDERSTANDING ONESELF: ADOLESCENCE Chapter 2 Understanding The Self; Chapter 3. Food, Nutrition, Health and Fitness; Chapter 4. Management of Resources; Chapter 5. Fabric Around Us; Chapter 6. Chapter-Media Communication Technology. UNIT-III: UNDERSTANDING FAMILY, COMMUNITY AND SOCIETY Chapter 7-A. Concerns and Need in Diverse Contexts-Nutrition, Health and Hygiene; Chapter 7-B. Resources Availability and Management.	UNIT-IV: CHILDHOOD Chapter 8. Survival, Growth and Development; Chapter 9. Nutrition, Health and Well-Being; Chapter 10. Our Apparel.	Full Syllabus
IP	Unit 1: Introduction to Computer System Unit 2: Introduction to Python Basics of Python programming, if-else, for loop. List operations	Unit 1: Introduction to Computer System Unit 2: Introduction to Python Basics of Python programming, if-else, for loop. List operations Dictionary, dictionary methods and built-in functions	Unit 3: Database concepts and the Structured Query Language Database Concepts: Introduction and its need, Database Management System. Relational data model: Concept of domain, tuple, relation, Types of keys Advantages of using Structured Query Language, Data Definition Language, Data Query Language and Data Manipulation Language, Introduction to MySQL, creating a database using MySQL, Data Types Data Definition, Data Query, Data Manipulation	Unit 1: Data Handling using Pandas -I & Data Visualization Introduction to Python libraries- Pandas, Matplotlib, Data structures in Pandas - Series and Data Frames. Unit 2: Database Query using SQL Revision of database concepts and SQL commands covered in class XI Math functions, Text functions, Date Functions, Aggregate Functions Querying and manipulating data using Group by, Having, Order by, Equi-join Unit 3: Introduction to Computer Networks Introduction to networks, Types of network, Network Devices, Network Topologie, Introduction to Internet, URL, WWW, and its applications Website, static vs dynamic web page, web server and hosting of a website. Web Browsers, add-ons and plug-ins, cookies. Unit 4: Societal Impacts Digital footprint, net and communication etiquettes, data
Applied Arts	Chapter 1 Pre-historic rock Painting, Chapter 2 Art of Indus Valley Civilization	Unit- I Chapter 1 Pre-historic Rock Paintings Chapter 2 Art of Indus Valley Civilization Unit-II Chapter 3 General Introduction of Art during Mauryan, Shunga, Kushana and Gupta period Chapter 4 Art of Ajanta	Unit- III Chapter 5 Indian Temple Sculptures Chapter 6 Indian Bronzes Chapter 7 Indo-Islamic Architecture	Unit- I Chapter 1 Pre-historic Rock Paintings Chapter 2 Art of Indus Valley Civilization Unit-II Chapter 3 General Introduction of Art during Mauryan, Shunga, Kushana and Gupta period Chapter 4 Art of Ajanta Unit- III Chapter 5 Indian Temple Sculptures Chapter 6 Indian Bronzes Chapter 7 Indo-Islamic Architecture