



ARMY PUBLIC SCHOOL CLEMENT TOWN, DEHRADUN
CLASS -11 MONTHLY SYLLABUS PLANNING 2024-2025

S.NO	MONTH	
		SUBJECT: INFORMATICS PRACTICES (065)
1.	July	<p>Unit 1: Computer System: Basics of computer System, Input, Output & storage devices and Hardware concepts. Computer Memory and its classification. Evolution of computers. Von Neuman architecture. Software concepts: Operating System, Language Translators, General Purpose and Specific Purpose Application Software. Open Source and Proprietary Software.</p> <p>Unit 3: Overview of Python Programming.. Basics of Python Programming Language, Characteristic of language, Python interpreter, modes of writing Python program: Script and Interactive mode.</p>
2.	August	<p>Unit 3:Character set of Python language, tokens: data types, variables, identifiers, literals, operators, punctuators and expression. Built-In Python functions: input(), print(). Control statements: if- else and for loop. Indentations and comments. PT1</p>
3.	September	<p>Unit 4:Working with Python List and Python Dictionary. Built- In functions of List and Dictionary. Programs on List and Dictionary. Revision of Python Concepts & Mid Term Exams</p>
4.	October	<p>Unit 7: Database concepts and the Structured Query Language Database Concepts: Introduction to database concepts and its need, Database Management System. Relational data model: Concept of domain, tuple, relation, candidate key, primary key, alternate key Advantages of using Structured Query Language, classification of SQL:Data Definition Language, Data Control Language and Data Manipulation Language and Transaction Control Language.</p>

5.	November	Unit 8 contd.... Introduction to MYSQL. Features of MySQL. SQL commands: Utility commands. SQL datatypes. Data Definition Language: CREATE TABLE command Data Manipulation Language: INSERT, SELECT, WHERE clause, FROM clause. Operators of SQL.. Like, Between, Distinct, In and other Arithmetic, Logical & Relational operators
6.	December	Unit 8 contd.. DML commands: UPDATE and DELETE. DDL commands: ALTER TABLE and DROP. Revision & PT2.
7.	January	Unit 2: Introduction to the Emerging Trends Artificial Intelligence, Machine Learning, Natural Language Processing, Immersive experience (AR, VR), Robotics, Big data and its characteristics, Internet of Things (IoT), Sensors, Smart cities, Cloud Computing and Cloud Services (SaaS, IaaS, PaaS); Grid Computing, Block chain technology & Revision
8.	February	Practical Exams, Revision and Annual Exams
SUBJECT: ENGLISH CORE		
1.	July	<ul style="list-style-type: none"> • The Portrait of a Lady • A Photograph(Poem) • Poster Making • The Summer of • Advertisements
2.	August	<ul style="list-style-type: none"> • We're Not Afraid to Die... • The Address

		<ul style="list-style-type: none"> • Editing • Note Making • Questions on Gap filling (Tenses, Clauses) • Comprehension passage
3.	September	<ul style="list-style-type: none"> • Discovering Tut: The Saga Continues.. • The Voice of the Rain (Poem) • The Adventure • Note Making • Childhood (Poem) • Questions on re-ordering/transformation of sentences • Revision for HY Exam
4.	October	<ul style="list-style-type: none"> • Mother's Day(Play) • The Tale of Melon City(Poem)
5.	November	<ul style="list-style-type: none"> • Father to Son(Poem)

		• Birth
6.	December	•Silk Road •Debate Writing ALS, Revision
7.	January	Revision Project
8.	February	Commencement of Annual Examination
		SUBJECT: MATHS
1.	July	Sets, Relation and functions
2.	August	Trigonometry function,Complex Number,Linear inequation
3.	September	Permutations and Combinations, Binomial Theorem, Sequence and series,
4.	October	Straight Line, Conic sections, Introduction to three dimensional geometry
5.	November	Limits and derivatives, Statistics
6.	December	Probability
7.	January	Revision
8.	February	
		SUBJECT: COMP SC
1.	July	Chap 1: Computer System Organisation Chap 2: Boolean logic
2.		Chap 3: Data Representation

	August	Chap 4: Introduction to Problem Solving Chap 5: Getting Started with Python
3.	September	Chap 6: Flow of Control/Conditional & Iterative Statements
4.	October	Chap 6(Contd.): Flow of Control/Conditional & Iterative Statements Chap 7: Strings
5.	November	Chap 8: Lists
6.	December	Chap 9: Tuples Chap 10: Dictionary
7.	January	Chap 11: Introduction to Python modules Chap 12: Society, Law & Ethics
8.	February	Practical Exams, Revision and Annual Exams
		SUBJECT: BIOLOGY
1.	July	Chapter 1. The living world Chapter 2. Biological classification Chapter-3: Plant Kingdom
2.	August	Chapter-4: Animal Kingdom Chapter-5: Morphology of Flowering Plants Chapter-6: Anatomy of Flowering Plants PT-1(SYLLABUS- CH-1,2,3,4)
3.	September	Chapter-7: Structural Organisation in Animals Chapter-8: Cell-The Unit of Life Revision & Mid Term Exams(SYLLABUS- CH 1 TO 8)

4.	October	Chapter-9: Biomolecules Chapter-10: Cell Cycle and Cell Division Chapter-13: Photosynthesis in Higher Plants Chapter-14: Respiration in Plants
5.	November	Chapter-15: Plant - Growth and Development Chapter-17: Breathing and Exchange of Gases
6.	December	Chapter-18: Body Fluids and Circulation Chapter-19: Excretory Products and their Elimination Chapter-20: Locomotion and Movement Revision & PT- 2 (SYLLABUS- CH- 9,10,13,14)
7.	January	Chapter-21: Neural Control and Coordination Chapter-22: Chemical Coordination and Integration
8.	February	Practical Exams, Revision and Annual Exams
		SUBJECT: PHYSICS
1.	July	UNIT 1 CHAPTER 2: UNITS AND MEASUREMENT
2.	August	UNIT 2 CHAPTER 3: MOTION IN A STRAIGHT LINE UNIT 2 CHAPTER 4: MOTION IN A PLANE UNIT 3 CHAPTER 5: LAWS OF MOTION PT- I
3.	September	UNIT 4 CHAPTER 6: WORK, ENERGY AND POWER UNIT 5 CHAPTER 7: SYSTEM OF PARTICLES AND ROTATIONAL MOTION REVISION AND MID TERM EXAMS
4.	October	UNIT 6 CHAPTER 8: GRAVITATION UNIT 7 CHAPTER 9: MECHANICAL PROPERTIES OF SOLIDS

5.	November	UNIT 7 CHAPTER 10: MECHANICAL PROPERTIES OF FLUIDS UNIT 7 CHAPTER 11: THERMAL PROPERTIES OF MATTER
6.	December	UNIT 8 CHAPTER 12: THERMODYNAMICS UNIT 9 CHAPTER 13: KINETIC THEORY OF GASES REVISION AND PT- II
7.	January	UNIT 10 CHAPTER 14: OSCILLATION UNIT 10 CHAPTER 15: WAVES
8.	February	PRACTICAL EXAM, REVISION AND COMMENCEMENT OF ANNUAL EXAM
		SUBJECT: CHEMISTRY
1.	July	Ch 1 - Some Basic concepts of Chemistry Ch 2- Structure of Atom
2.	August	Ch 2- Structure of Atom (contd..) Ch 3- Classification of elements and Periodicity in properties Revision and PT- 1
3.	September	Ch 4 -Chemical Bonding and Molecular Structure Ch 5 - Thermodynamics Revision and mid term exam
4.	October	Ch5 -Thermodynamics (contd...) Ch 6- Equilibrium
5.	November	Ch 6- Equilibrium (contd...) Ch 7- Redox
6.	December	Ch 8- Organic chemistry: Some basic principles and techniques. Revision and PT-2
7.	January	Ch 9- Hydrocarbons
8.	February	Practical exam, Revision and commencement of Annual exam
		SUBJECT: PHYSICAL EDUCATION
1.	July	Unit 1:Changing trends and career in physical Education. Unit 2: Olympism value Education
2.	August	Unit 3: Yoga Unit 4: Physical Education and Sports for Children with special needs.

3.	September	Unit 5: Physical fitness wellness and Lifestyle. Unit 6: Test measurement and Evaluation.
4.	October	Unit7: Fundamentals of anatomy & Physiology in Sports. Unit 8: Kinesiology and Biomechanics in Sports
5.	November	Unit 9:Psychology and sports. Unit 10: Training and Doping in sports.
6.	December	Revision and PT2
7.	January	Unit 10: Training and Doping in sports.continued Revision
8.	February	Practical Exam.Revision and Commencement of Annual Exam
		SUBJECT: ACCOUNTANCY
1.	July	Unit-1: Theoretical Framework Introduction to Accounting Accounting- concept,Basic Accounting Terms Theory Base of Accounting Fundamental accounting assumptionFundamental accounting assumption,Basic accounting concept System of Accounting,
2.	August	Unit-2: Accounting Process Recording of Business Transactions, Journal entries Special Purpose books:Cash Book, Purchases book Sales book Purchases return book Sales return book Journal proper
3.	September	revision for unit 1 + unit 2 and half yearly exams

4.	October	Bank Reconciliation Statement: Need and preparation, Bank Reconciliation Statement, Goods and Services Tax Depreciation, Provisions and Reserves Depreciation: Meaning, Features, Need, Causes, factors Other similar terms: Depletion and Amortisation Methods of Depreciation: Straight Line Method (SLM) Written Down Value Method (WDV)
5.	November	Trial balance and Rectification of Errors Trial balance: objectives, meaning and preparation
6.	December	Financial Statements Meaning, objectives and importance; Revenue and Capital Receipts; Revenue and Capital Expenditure; Deferred Revenue expenditure. Opening journal entry. Trading and Profit and Loss Account: Gross Profit, Operating profit and Net profit. Preparation. Balance Sheet: need, grouping and marshalling of assets and liabilities. Preparation. Adjustments in preparation of financial statements with respect to closing stock, outstanding expenses, prepaid expenses, accrued income, income received in advance, depreciation, bad debts, provision for doubtful debts, provision for discount on debtors, Abnormal loss, Goods taken for personal use/staff welfare, interest on capital and managers commission. Preparation of Trading and Profit and Loss account and Balance Sheet of a sole proprietorship with adjustments.
7.	January	Revision for full syllabus
8.	February	Revision and annual I Exams
		SUBJECT: BUSINESS STUDIES
1.		1.Nature and Purpose of Business

	July	2. Forms of Business Organisations
2.	August	3.Public, Private and Global Enterprise 4. Business Services
3.	September	5. Emerging Modes of Business Revision for HY Exam
4.	October	6.Social Responsibility of Business and Business Ethics 7.Sources of Business Finance
5.	November	8 Small Business 9 Internal Trade
6.	December	10 International Business
7.	January	10 International Business (Cont...) Revision & PT2.
8.	February	Practical File, Revision and commencement of Annual exam
		SUBJECT: ECONOMICS
1.	July	Micro Economics - Central problems of an economy Concept of utility and consumers equilibrium.
2.	August	Statistics - Meaning and scope of Statistics, Collection of data, Organisation and presentation of data
3.	September	Micro Economics - Theory of demand, Elasticity of demand
4.	October	Micro Economics - Production function, concepts of costs and revenue, Statistics - Measures of central tendency,
5.	November	Micro Economics - Theory of supply, Statistics - Correlation,
6.	December	Micro Economics - Producer's Equilibrium,

		Statistics - Index numbers,
7.	January	Micro Economics - Price Determination under perfect competition
8.	February	Practical file and Revision
		SUBJECT: POLITICAL SCIENCE
1.	July	PART -A 1 Constitution: Why and How? 2 Rights in the Indian Constitution
2.	August	3 Election and Representation 4 Executive Revision for PT- 1
3.	September	5 Legislature Revision for Half yearly Exams
4.	October	6 Judiciary 7 Federalism
5.	November	8 Local Governments 9 Constitution as a Living Document
6.	December	PART- B 1.Political Theory: An Introduction 2 Freedom
7.	January	3. Equality and Social Justice 4 Rights 5.Citizenship
8.	February	Practical File, Revision and commencement of Annual exam.
		SUBJECT: HISTORY
1.	July	1 Introduction to World History 2 Writing and the City Life
2.	August	3 Introduction of Empire 4 Empire Across the three Continents
3	September	6 Nomadic Empire
4.	October	7 Introduction of Changing traditions 8 The Three order

5.	November	9 Changing Cultural Traditions
6.	December	10 Introduction Modern World 11 Displacing Indegenious people
7.	January	12 Path to Modernizaation
8.	February	Practical and Revision for Annual Examination
		SUBJECT: GEOGRAPHY
1.	July	FUNDAMENTALS OF PHYSICAL GEOGRAPHY 1.Geography as a discipline 2.Origin and evolution of the earth 3. Interior of the Earth 4. Distribution of oceans and cotinents
2.	August	INDIA- PHYSICAL ENVIRONMENT 1.India -Physical Environment 2.Structure and Physiography 3.Drainage systems
3.	September	FUNDAMENTALS OF PHYSICAL GEOGRAPHY 6.Geomorphic Features 7.Landforms and their Evolution 8.Composition of atmosphere
4.	October	FUNDAMENTALS OF PHYSICAL GEOGRAPHY 9. Solar radiation and heat balance 10.Atmospheric circulation and weather 11.Water in the atmosphere
5.	November	INDIA-PHYSICAL ENVIRONMENT 4.Climate 5.Natural Vegetation 6.Natural hazards
6.	December	FUNDAMENTALS OF PHYSICAL GEOGRAPHY 12. World climate and climate change 13.Water (oceans)
7.	January	FUNDAMENTALS OF PHYSICAL GEOGRAPHY 14 Movements of ocean waters

		16 Biodiversity and conservation
8.	February	Revision and final practicals
		SUBJECT: HINDI
1.	July	गद्य- नमक का दारोगा, मियाँ नसीरुद्दीन पद्य- कबीर, मीरा
2.	August	गद्य- अपू के साथ ढाई साल (सत्यजीत राय) पद्य- घर की याद (घर की याद) भारतीय गायिकाओं में बेजोड़: लता मंगेशकर(कुमार गन्धर्व) अभिव्यक्ति एवं माध्यम- जनसंचार माध्यम रचनात्मक लेखन- अप्रत्याशित विषयों पर लेखन, पत्र-लेखन (औपचारिक) अपठित बोध (गद्यांश, काव्यांश)
3.	September	गद्य- विदाई-संभाषण (बालमुकुंद गुप्त) पद्य- चंपा काले-काले अच्छर नहीं चीन्हती (त्रिलोचन) अभिव्यक्ति एवं माध्यम- डायरी लिखने की कला, पत्रकारिता के विविध आयाम
4.	October	पद्य- गजल (दुष्यंत कुमार), अक्का महादेवी , सबसे खतरनाक अभिव्यक्ति एवं माध्यम- कथा-पटकथा
5.	November	गद्य- गलता लोहा (धर्मवीर भारती) वितान भाग एक - राजस्थान की रजत बूँदें (अनुपम मिश्र) अभिव्यक्ति एवं माध्यम- कार्यालयी लेखन और प्रक्रिया
6.	December	गद्य- रजनी (मन्नु भंडारी) पद्य- आओ, मिलकर बचाएँ (निर्मला पुतुल) अभिव्यक्ति एवं माध्यम- स्ववृत्त-लेखन और रोजगार सम्बन्धी आवेदन-पत्र
7.	January	गद्य- जामुन का पेड़(क्रिश्चन्दर), भारत माता (नेहरु)आलो आंधारि (वितान) अभिव्यक्ति एवं माध्यम- शब्दकोश,संदर्भ ग्रंथों की उपयोगी विधि और परिचय आंतरिक मूल्यांकन कार्य
8.	February	आंतरिक मूल्यांकन कार्य पुनरावृत्ति
		SUBJECT: PAINTING
1.	July	UNIT 1: Rajsthani school, Features and Paintings
2.	August	Pahari school, Features and Paintings /Practical
3.	September	UNIT 2: Mughal school, Features and Paintings /Practical
4.		1.Deccan school, Features and Paintings

	October	2. Evolution of the Indian National Flag
5.	November	Revision and preparation of Portfolio/Practical
6.	December	Revision and PT2
7.	January	Revision and Practical File
8.	February	Practical Exam, Revision/Annual examination
		<u>SUBJECT: PSYCHOLOGY</u>
1	JULY	<p>Chapter-1: What is Psychology?</p> <p>Psychology as a Discipline, Psychology as a Natural Science, Psychology as a Social Science, Understanding Mind and Behaviour, Popular Notions about the Discipline of Psychology, Evolution of Psychology.</p>
2	AUGUST	<p>Chapter-1: What is Psychology?</p> <p>Development of Psychology in India, Branches of Psychology, Themes of Research and Applications, Psychology and Other Discipline, Psychologists at Work, Psychology in Everyday Life.</p> <p>Chapter-2: Methods of Enquiry in Psychology</p> <p>Goals of Psychological Enquiry, Steps in Conducting Scientific Research, Alternative Paradigms of Research, Nature of Psychological Data, Some Important Methods in Psychology, Observation Method, Experimental Method.</p>

3	SEPTEMBER	<p>Chapter-2: Methods of Enquiry in Psychology (Contd.)</p> <p>Correlational Research, Survey Research, Psychological Testing, Case Study, Analysis of Data-Quantitative Method, Qualitative Method, Limitation of Psychological Enquiry, Ethical Issues.</p> <p>Chapter-3: Human Development</p> <p>Meaning of Development- Life–Span Perspective development</p> <p>Growth, Development, Maturation, and Evolution, Factors Influencing Development, Context of Development, Overview of Development Stages- Prenatal Stage, Infancy.</p>
4	OCTOBER	<p>Chapter-3: Human Development</p> <p>Childhood, Gender and Sex Role, Challenges of Adolescence, Adulthood and Old Age.</p> <p>Chapter-4: Sensory, Attentional and Perceptual Processes</p> <p>Knowing the World, Nature and Varieties of Stimulus, Sense Modalities, Attentional Processes- Selective Attention, Divided Attention, Sustained Attention, Span of Attention, Attention Deficit Hyperactivity Disorder(ADHD) Perceptual Processes- Processing Approaches in Perception, The Perceiver, Principles of Perceptual Organisation.</p>
5	NOVEMBER	<p>Chapter-4: Sensory, Attentional and Perceptual Processes</p> <p>Perception of Space, Depth, and Distance- Monocular Cues and Binocular Cues,</p> <p>Perceptual Constancies, Illusions, Socio-Cultural Influences on Perception.</p>

		<p>Chapter-5: Learning</p> <p>Nature of Learning, Paradigms of Learning, Classical Conditioning- Determinants of Classical Conditioning, Operant/ Instrumental Conditioning- Determinants of Operant Conditioning: Differences, Key Learning Processes, Learned Helplessness, Observational Learning, Cognitive learning, Verbal Learning Skill Learning.</p>
6	DECEMBER	<p>Chapter-5: Learning</p> <p>Factor Facilitating Learning, Learning Disability.</p> <p>Chapter-6: Human Memory</p> <p>Nature of memory, Information Processing Approach: The Stage model, Memory Systems: Sensory, Short-term and Long-term Memories- Working Memory, Level of Processing, Types of Long-term Memory- Declarative and Procedural: Episodic and Semantic, Long –term Memory Classification, Method of Memory Measurement.</p> <p>Nature and Cause of Forgetting- Forgetting due to Trace Decay, Interference and retrieval Failure, Repressed Memories.</p> <p>Enhancing Memory- Mnemonics using Images and Organisation.</p>
7	JANUARY	<p>Chapter-7: Thinking</p> <p>Nature of Thinking- Building Block of thought, Culture and Thinking, Problem Solving, Reasoning, Decision Making, Nature and Process of Creative Thinking- Nature of Creative Thinking, Lateral Thinking, Process of Creative Thinking, Strategies for Creative Thinking,</p>

		<p>Thought and Language, Development of Language and Language- Bilingualism and Multilingualism.</p> <p>Chapter-8: Motivation and Emotion</p> <p>Nature of Motivation, Type of Motivation-Biological Motives, Psychosocial Motives, Maslow's Hierarchy of Needs, Nature of Emotions, Expression of Emotions- Culture and Emotion, Culture and Emotional Labelling, Managing Negative Emotion- Post Traumatic Stress Disorder, Management of Examination Anxiety, Enhancing Positive Emotions.</p>
8	FEBRUARY	Revision