



GHAZIABAD

PUBLIC SCHOOL

CLASS-XII-SCI.

PLANNER (2020-21)

APRIL - JAN

MONTH/ WORKING DAYS	BOOK NAME	TOPIC	SUBJECT ENRICHMENT ACTIVITY	DELETED SYLLABUS
APRIL (20)	FLAMINGO VISTAS WRITING	PROSE SECTION CH-1 THE LAST LESSON POETRY SECTION P-1 MY MOTHER AT SIXTY SIX CH-1THE THIRD LEVEL ADVERTISEMENTS CLASSIFIED ADVERTISEMENTS GENERAL ADVERTISEMENT OR DISPLAY ADVERTISEMENT NOTICE	LISTENING: AUDIO TRACK SPEAKING: SPEECH	<u>Reading</u> note making & summarizing <u>Literature</u> <u>flamingo</u> 1. poets and pancakes 2. (Poem)1. a roadside stand 3. the interview 4. going places <u>vistas</u> 1. the tiger king 2. journey to the end of the earth 3. memories of childhood <u>writing</u> • poster making • business or official letters (for making enquiries, registering complaints, asking for and giving information, placing orders and sending replies) • speech, debate
MAY (11)	FLAMINGO VISTAS WRITING READING	CH -2 LOST SPRING POETRY SECTION P-2 AN ELEMENTARY SCHOOL CLASS ROOM IN A SLUM CH-4 THE ENEMY LETTER TO THE EDITOR ARTICLE WRITING UNSEEN PASSAGE	LISTENING: AUDIO TRACK SPEAKING: SPEECH	
July (18)	FLAMINGO WRITING READING	PROSE SECTION CH-3 DEEP WATER CH-4 THE RATTRAP P-3 KEEPING QUIET FORMAL AND INFORMAL INVITATION AND REPLIES UNSEEN PASSAGE	LISTENING: AUDIO TRACK SPEAKING:CREATIVE MONOLOGUE	

<p>August (23)</p>	<p>FLAMINGO</p> <p>VISTAS</p> <p>WRITING</p> <p>READING</p>	<p>PROSE SECTION CH-5 INDIGO</p> <p>POETRY SECTION P-4 A THING OF BEAUTY CH-5 SHOULD WIZARD HIT MOMMY? CH-6 ON THE FACE OF IT. REPORT WRITING</p> <p>UNSEEN PASSAGE</p>	<p>LISTENING: POEM</p> <p>SPEAKING: 2- MINUTE DEBATE</p>	
<p>September (20)</p>		<p>Revision work HALF YEARLY EXAM</p>		
<p>October (18)</p>	<p>FLAMINGO</p> <p>VISTAS</p> <p>WRITING</p> <p>READING</p>	<p>POETRY SECTION POEM- AUNT JENNIFER'S TIGER</p> <p>CH-7 EVANS TRIES AN O- LEVEL</p> <p>REPORT WRITING</p> <p>FACTUAL PASSAGE</p>	<p>LISTENING: AUDIO TRACK</p> <p>SPEAKING: GROUP DISCUSSION</p>	
<p>November (20)</p>	<p>WRITING</p> <p>READING</p>	<p>PRACTICE OF JOB APPLICATION</p> <p>PRACTICE OF UNSEEN PASSAGE</p>	<p>LISTENING: AUDIO TRACK</p> <p>SPEAKING: DECLAMATION</p>	
<p>December (22)</p>		<p>Revision Work I PREBOARD EXAM</p>		
<p>January (13)</p>		<p>Revision work II PREBOARD EXAM</p>		

MONTH/ WORKING DAYS	BOOK NAME	TOPIC	SUBJECT ENRICHMENT ACTIVITY	DELETED SYLLABUS
April	NCERT BOOK Lab manual-Prachi publications	CHAPTER : 1 Electric charge and field CHAPTER : 2 Electric potential and capacitor	Exp.1 To determine resistance per cm of a given wire by plotting a graph of potential diff. versus current. (SECTION :A) ACTIVITY : 1,2	Chapter-1 Electric charges and fields uniformly charged thin spherical shell (field inside and outside). Chapter-3 Current Electricity
May	NCERT BOOK Lab manual-Prachi publications	CHAPTER : 3 CURRENT ELECTRICITY CHAPTER :4 Moving charge and magnetism CHAPTER : 5 Magnetism and matter	Exp.2 To find resistance of a given wire using meter bridge and hence determine the resistivity. ACTIVITY : 3,4	Carbon resistors, colour code for carbon resistors; series and parallel combinations of resistors Chapter-4 Moving Charges and Magnetism
July	NCERT BOOK Lab manual-Prachi publication	CHAPTER :7 Alternating current	Exp.3,4 To verify the laws of combination (series) N (parallel) of resistances using a meter bridge.	Cyclotron Chapter-5 Magnetism and Matter
August	NCERT BOOK Lab manual-Prachi publication	CHAPTER : 6 Electromagnetic induction CHAPTER : 8 Electromagnetic waves	Exp.5 To compare the EMF's of two given primary cells potentiometer Exp.6 To determine the internal resistance of given primary cell using potentiometer	magnetic field intensity due to a magnetic dipole (bar magnet) along its axis and perpendicular to its axis, torque on a magnetic dipole (bar magnet) in a uniform magnetic field;
September	NCERT BOOK Lab Manual-Prachi publication	Revision HALF YEARLY EXAM	Exp.7 To determine resistance of a galvanometer by half deflection method and to find its figure of merit.	Para-, dia- and ferro - magnetic substances, with examples. Electromagnets and factors affecting their strengths, permanent magnets. Chapter-7 Alternating Current
October	NCERT BOOK Lab Manual-Prachi publication	CHAPTER : 9 Ray Optics and Optical instruments	SECTION:B Exp:8 To determine the focal length of a convex lens by using two pin method. Exp:9 To find the focal length	power factor, wattless current. Chapter 8 Electromagnetic Waves

			of a concave lens, using a convex lens . Exp.10 To find the focal length of a convex mirror , using a convex lens.Exp:11 To find the refractive index of a liquid by using convex lens and plane mirror.	Basic idea of displacement current, Chapter 9 Ray Optics and Optical Instruments Reflection of light, spherical mirrors,(recapitulation) mirror formula , Scattering of light - blue colour of sky and reddish appearance of the sun at sunrise and sunset.
November	NCERT BOOK Lab Manual-Prachi publication	CHAPTER :11 Dual Nature of radiation and matter CHAPTER : 13 Nuclei	Exp:12 To draw the I- V characteristics curve for a p-n junction in forward-bias and reverse – bias. ACTIVITY : 5,6,7 and 8	resolving power of microscope and astronomical telescope, polarisation, plane polarised light, Brewster's law, uses of plane polarised light and Polaroids.
December	NCERT BOOK Lab Manual-Prachi publication	CHAPTER 14 Semiconductor, Electronics, materials , Devices and simple Circuits. REVISION I Preboard Exam	REVISION – PRACTICALS	Chapter-11 Dual Nature of radiation and matter
January	NCERT	II Preboard Exam		Davisson-Germer experiment Chapter 13 Nuclei Radioactivity, alpha, beta and gamma particles/rays and their properties; radioactive decay law, half life and mean life binding energy per nucleon and its variation with mass number Chapter 14 Semiconductor Electronics: Materials, Devices and Simple Circuits Zener diode and their characteristics, zener diode as a voltage regulator. Practicals: No investigatory project

				and Activity to be demonstrated 8 experiments (clubbed based on skills) in place of 12
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CLASS-XII SCI.

SUBJECT-CHEMISTRY

MONTH/ WORKING DAYS	BOOK NAME	TOPIC	SUBJECT ENRICHMENT ACTIVITY	DELETED SYLLABUS
April	Pradeeps publication Lab manual- Prachi publications	Unit 2-Solutions Unit-3 Electrochemistry	<u>Practical 1- CHROMATOGRAPHY</u> 1.1-Seperation of pigments from extract of leaves by paper chromatography & calculate Rf value 1.2-Seperation of constituents present in inorganic mixture(two ions)	<u>Unit 6-General principles & isolation of elements</u> <u>Unit 15- Polymers</u> <u>Unit 16- Chemistry in everyday life</u>
May	NCERT	Revision ch 2 & 3	<u>Worksheet</u>	
July	Pradeeps publication Lab manual- Prachi publications	Unit 10-Haloalkanes & haloarenes Unit 11-Alcohols & phenols & Ethers Unit 7- p block	<u>Practical 2 INORGANIC COMPOUNDS</u> 2.1 Double salt preparation- a)Potash alum b)potassium ferric oxalate <u>Practical 3 FUNCTIONAL GROUPS DETECTION</u>	<u>Excluded Practicals-</u> 1. Surface chemistry 2.Chemical kinetics 3.Thermochemistry 4.Electrochemistry 5. Preperation of organic compounds
August	Pradeep publication	Unit 1-Solid state Unit-4 Chemical kinetics Unit 5-Surface Chemistry	<u>Practical 4 TITERATION & CALCULATION OF STRENGTH of KMnO4 against-</u> a)Oxalic acid b)Ferrous ammonium sulphate	

September		Revision Half Yearly exams		
October	Pradeep publication	Unit 12- Aldehydes, Ketones & Carboxylic acids Unit 8-d & f block Unit 9 Co-ordination compounds	<u>Practical 5</u> <u>QUALITATIVE</u> <u>ANALYSIS</u> *Determination of one cation and one anion in the given salt	
November	Pradeep publication Lab Manual- Prachi publication	Unit 13-Amines Unit 14- Biomolecules	<u>QUALITATIVE</u> <u>ANALYSIS</u>	<u>NOTE:</u> Unit 1-Solid state Is included new this year
December		Revision I Preboard Exam		
January		Revision II Preboard Exam		

CLASS-XII SCI.

SUBJECT-MATHS

MONTH/ WORKING DAYS	BOOK NAME	TOPIC	SUBJECT ENRICHMENT ACTIVITY	DELETED SYLLABUS
APRIL	NCERT - Lab Manual Practical - Prachi publication	Chapter 3 - Matrices	Practical 1	Exclude of existence of non zero matrices whose products is the zero matrices, concept of elementary row and column operation, proof of uniqueness of inverse, if it exists in chapter 3 and property of determinant, consistency, in consistency and number of solutions of system of linear equations by examples in chapter 4
		Chapter 4 - Determinants	Practical 2	
MAY	NCERT - Lab Manual Practical - Prachi publication	Chapter 5 - Continuity and Differentiability	Practical 2	Exclude of Rolle's and Lagrange's mean value theorems in chapter 5, rate of change of bodies (6.4) use of derivation in an approximation (6.6)
		Chapter 6 - Application of Derivatives	Practical 3	

JULY	NCERT - Lab Manual Practical - Prachi publication	Chapter 6 - Application of Derivatives	Practical 3	Exclude of definite integrals as a limit of a sum $\int \sqrt{ax^2 + bx + c} dx$, $\int (ax+b)\sqrt{ax^2 + bx + c} dx$ in chapter 7
		Chapter 7 - Integrals	Practical 4	
AUGUST	NCERT - Lab Manual Practical - Prachi publication	Chapter 7 - Integrals		Exclude of Area between any of the two above said curves in chapter 8, Formation of differential equation whose general solution is given, Solution of the linear differential equation of the type - $dx/dy + px=q$ in chapter 9
		Chapter 9- Differential eqations		
		Chapter 8 - Application of Integrals		
SEPTEMBER		HALF YEARLY EXAM		
OCTOBER	NCERT - Lab Manual Practical - Prachi publication	Chapter 10 - Vector Algebra	Practical-7	Exclude scalar triple product of vector in chapter 10, Angle between two lines, two planes, a line and a plane in chapter 11
		Chapter 11 - Three Dimensional	Practical-8	
NOVEMBER	NCERT - Lab Manual Practical - Prachi publication	Chapter 12 - Linear Programming	Practical 9	
			Practical10	
		Chapter 13 - Probablity	Practical-Revision	
DECEMBER	NCERT - Lab Manual Practical - Prachi publication	Revision		
		I Preboard Exam		
JANUARY	NCERT - Lab Manual Practical - Prachi publication	REVISION		
		II Preboard Exam		

CLASS-XII SCI.

SUBJECT-BOLOGY

MONTH/ WORKING DAYS	BOOK NAME	TOPIC	SUBJECT ENRICHMENT ACTIVITY	DELETD SYLLABUS
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APR-MAY	<p>NCERT</p> <p><u>Lab Manual</u> Prachi Publication</p>	<p>Ch.-2Sexual Reproduction in Flowering Plants Exp:-1 Core Experiment Pollen Germination Exp:-1 (Spotting) Flowers adapted to pollination by different agencies (wind, insects, birds)</p>	<p>Lab Manual</p>	<p>Chapter-1: Reproduction in Organism(whole chapter)</p> <p>Chapter-7: Evolution</p> <p>Chapter 9: Strategies for Enhancement in Food Production Chapter 14: Ecosystem Chapter 16: Environmental Issues</p>
JULY	<p>NCERT</p> <p><u>Lab Manual</u> Prachi Publication</p>	<p>Ch.-3 Human Reproduction (Spotting) 2.Identification of stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice), blastula. 3. Meiosis in onion bud cell or grasshopper testis through permanent slides.</p>	<p>Lab Manual</p>	
AUG	<p>NCERT</p> <p><u>Lab Manual</u> Prachi Publication</p>	<p>Ch-4 Reproductive Health Ch-5: Principles of Inheritance and Variation Ch-6: Molecular Basis of Inheritance 5.Prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and colourblindness. 6. Common disease-causing organisms like Ascaris, Entamoeba, Plasmodium, any fungus causing ringworm through permanent slides, models or specimens.</p>	<p>Lab Manual</p>	

SEPT		HALF YEARLY EXAM		
OCT	<p>NCERT</p> <p>LAB MANUAL</p> <p>PRACHI PUBLICATION</p>	<p>Ch-8: Human Health and Diseases</p> <p>Ch-10: Microbes in Human Welfare</p> <p>Ch-11: Biotechnology - Principles and processes</p> <p>Ch-12: Biotechnology and its Application</p> <p>PRACTICAL</p> <p>7. Two plants and two animals (models/virtual images) found in xeric conditions</p> <p>8. Two plants and two animals (models/virtual images) found in aquatic conditions</p> <p>4. Prepare a temporary mount of onion root tip to study mitosis.</p> <p>5. Study the effect of different temperatures and three different pH on the activity of salivary amylase on starch.</p> <p>6. Isolate DNA from available plant material such as spinach, green pea seeds, papaya, etc.</p>	<ul style="list-style-type: none"> • Lab Manual • PRACTICAL • VIVA <p>Lab Manual</p> <ul style="list-style-type: none"> • PRACTICAL • VIVA 	

NOV	NCERT LAB MANUAL PRACHI PUBLICATION	Chapter-13: Organisms and Populations Chapter-15: Biodiversity and its Conservation PRACTICAL 2. Collect and study soil from at least two different sites and study them for texture, moisture content, pH and water holding capacity. Correlate with the kinds of plants found in them. 3. Collect water from two different water bodies around you and study them for pH, clarity and presence of any living organism.	Lab Manual • PRACTICAL • VIVA	
DEC	NCERT LAB MANUAL PRACHI PUBLICATION	REVISION I Preboard Exam		
JAN				

CLASS-XII SCI.

SUBJECT -HINDI

मास/कार्यदि वस	पुस्तकनाम	पाठ नाम	पाठ्यक्रमसंबंधितक्रि याकलाप	पाठ्यक्रम से हटाए जाने वाले पाठों के नाम
अप्रैल	अंतरा गद्य खंड काव्य	<u>पाठ-१</u> मेमघन की छाया <u>पाठ-२</u> सुमिरन के मन के <u>पाठ-१</u> देवसेना का गीत	<u>सुनना:-</u> स्वतंत्र सेनानियों पर आधारित कहानी <u>बोलना:-</u> भाषण- छात्रों में बढ़ता आक्रोश	

मई	<p>अंतरा गद्य खंड</p> <p>अंतराल पूरक पुस्तक</p> <p>कार्यालयी लेखन</p>	<p><u>पाठ-३</u> कला चिट्ठा</p> <p><u>पाठ-४</u> बनारस दिशा</p> <p><u>पाठ-१</u> सूरदास की झोपड़ी</p> <p>पत्रकरीय लेखन</p>	<p><u>सुनना:-</u> कविता प्रकृति से सम्बन्धित</p> <p><u>बोलना:-</u> वाद- विवाद जाति प्रथा व आरक्षण आज की समस्या</p>	
जुलाई	<p>अंतरा भाग 2</p> <p>अन्तराल भाग 2</p> <p>कार्यालयी हिंदी</p>	<p>काव्य खंड</p> <p>पाठ 5 एक कम, सत्य</p> <p>पाठ 6 बसंत आया</p> <p>पाठ 2 आरोहण</p> <p>पाठ-जन संचार माध्यम विशेष लेखन -स्वरूप और प्रकार</p> <p>सृजनात्मक लेखन</p> <p>कैसे बनती है कविता</p> <p>पत्र लेखन</p>	<p>कहानी वाचन</p> <p>किसी प्रसिद्ध कहानीकार की कहानी</p>	<p>अंतरापुस्तक -काव्य खंड</p> <p>पाठ 2 -गीत गाने दो मुझे, सरोज स्मृति</p> <p>पाठ 3 -यह दीप अकेला, मैंने देखा एक बूंद</p> <p>पाठ 4 -बनारस, दिशा</p> <p>पाठ 11 -कवित्त सवैया</p> <p>गद्य खंड -पाठ 3 -कच्चा चिट्ठा</p> <p>पाठ 5 -गाँधी, नेहरू और यास्सर अराफात</p> <p>पाठ 8 -यथास्मै रोचते विशयम</p> <p>पाठ 10- कुटज</p>
अगस्त	अंतरा भाग 2	<p>गद्य खंड</p> <p>पाठ 4 संवदिया</p> <p>पाठ 6 -लघु कथार्ये शेर, पहचान, चार हाथ, साझा</p>	<p>परियोजना कार्य (सुमित्रा नंदन पंत, सूर्यकांत त्रिपाठी निराला, जयशंकर प्रसाद, महादेवी वर्मा, रामधारी सिंह</p>	छात्रों को अध्ययन की ओर अग्रसित करना

	कार्यालयी हिंदी	काव्य खंड पाठ 7 भरत राम का प्रेम पद नाटक लिखने का व्याकरण कैसे लिखे कहानी अपठित गद्यांश व अपठित काव्यांश	दिनकर	
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अर्धवार्षिकपरीक्षासितम्बरमेंहोंगीऔरपाठ्यक्रमअप्रैलसेअगस्ततककासम्मलितकियाजायेगा।

अक्टूबर	अंतरा भाग 1 अन्तराल भाग 2 कार्यालयी हिंदी	गद्य खंड पाठ 7 –जहां कोई वापसी नहीं काव्य खंड पाठ 8 –बारहमासा पाठ 9 –पद पाठ 3 बिस्कोहर की माटी कैसे करे कहानी का रूपांतरण	सस्वर कविता	उच्चारण कौशल को गति प्रदान करना
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MONTH/ WORKING DAYS	BOOK NAME	TOPIC	SUBJECT ENRICHMENT ACTIVITY	DELETED SYLLABUS
April	Prachi (India PVT.)LTD J.P.H Lab Manual	Ch-1 Planning in Sports Ch-2 Sports of Nutrition Practical 1	Practical 1- To conduct motor ability test.	Intramural and Extramural Specific Sports Program From Ch-1 and Ch-2 No topic Removed. Ch-3 Back pain . Ch-4 Advantage of physical activity for children with special needs. Ch-5 Special consideration , Female Athletes Traid. Ch-6 General Motor Fitness Test. Ch-7 Physiological changes due to ageing. Ch-8 Friction and sports. Ch-9 Exercise Adherence Ch-10 Circuit Training Practical-4 Senior citizen fitness test for 5 elderly family members.
May	Prachi (India PVT.)LTD J.P.H Lab Manual	Ch-3 Yoga of life style	Revise Practical 1	
July	Prachi (India PVT.)LTD J.P.H Lab Manual	Ch-4 Physical Education and sports For CWSN Ch-5 Children and women in sports Practical 2	Practical 2 To conduct Asanas for each lifestyle disease.	
August	Prachi (India PVT.)LTD J.P.H Lab Manual	Ch-6 Test and Measurement in sports.	Revise Practical 2	
September	Revision + Half Yearly Exams			
October	Prachi (India PVT.)LTD J.P.H Lab Manual	Ch-7 Physiology and injuries in sports. Ch-8 Biomechanics and sports.	Practical -3 To conduct anyone major game of your choice.	

November	Prachi (India PVT.)LTD J.P.H Lab Manual	Ch- 9 Psychology and sports Ch-10 Training in sports.	Revision Practical 3	
December		Revision I Preboard Exam		
January		Revision II Preboard Exam		

CLASS: XII SCI

SUBJECT –CS

MONTH/ WORKING DAYS	BOOK NAME	TOPIC	SUBJECT ENRICHMENT ACTIVITY	DELETED SYLLABUS
April	Computer Science With Python	Ch-1 Review Of Python Basics Ch-2 Functions	Program based on Functions	<p>Unit I: Computational Thinking and Programming - 2 Recursion – simple algorithms with recursion : print a message forever, sum of first n natural numbers, factorial, Fibonacci numbers, recursion on arrays : binary search ● Idea of efficiency : performance measurement in terms of the number of operations. ● Data-structures: Lists as covered in Class XI, Stacks – Push, Pop using a list, Queues – Insert, Delete using a list. (One of the data structure Stack or Queue. Note : While setting the question paper a students will have an option between Stack and Queue.)</p> <p>Unit II: Computer Networks ● Web Scripting Client side (VB Script, Java Script, PHP) and Server side (ASP, JSP, PHP), Web 2.0 (for social networking) ● E-commerce payment transactions using online banking, mobile banking, payment apps and services.</p> <p>Unit III: Database Management CREATE TABLE, DROP TABLE, ALTER TABLE, UPDATESET, INSERT, DELETE</p>
May	Computer Science With Python	Ch-3 Using Python Libraries Ch-4 Data File Handling	Program based on math module Program based on text ,binary file	
July	Computer Science With Python	Ch-5 Program Efficiency Ch-6 Data Structures in Python	Program based on Stack, Queue	
August	Computer Science With Python	Ch-7 Computer Networks	_____	
September	Revision + Half Yearly Exams			

October	Computer Science With Python	Ch-8 Relational Database Management System	Questions based on SQL	
November	Computer Science With Python	Ch- 9 Interface Python with SQL	Python-MySQL Connectivity	
December		Revision I Preboard Exam		
January		Revision II Preboard Exam		