



GHAZIABAD

PUBLIC SCHOOL

CLASS-XI-SCI.

PLANNER (2020-21)

APRIL - JAN

MONTH/ WORKING DAYS	BOOK NAME	TOPIC	SUBJECT ENRICHMENT ACTIVITY	DELETED SYLLABUS
APRIL (20)	HORNBILL SNAPSHOTS FULL MARKS	Literature: Ch-1 The Portrait of a lady Ch-2 We're not afraid to Die Poem – The Voice of the Rain Ch-1 The Summer of the Beautiful White Horse Writing: Notice, Speech Writing Reading: Unseen Passage	Listening: Discursive Passage along with the Questionnaire Speaking: Two-minute Debate Topic – Should reality shows be banned in India?	Writing ● Classified Advertisements, ● Letters to the editor ● Application for a job with a bio-data or résumé ● Article & Report Writing ● Narrative
MAY (11)	HORNBILL FULL MARKS	Literature: Poem – A Photograph Ch-Discovering Tut Writing: Speech Writing Reading: Unseen Passage	Listening: Poetry along with the Questionnaire Speaking: Extempore	Grammar ● Modals ● Clauses ● Change of Voice ● Error Correction, editing task/cloze passages
July (18)	HORNBILL FULL MARKS	Literature: Ch-5 Ailing Planet Ch-4 Landscape of the soul Poem – Laburnum Top Grammar: Gap filling Writing: Debate Reading: Note making	Listening: Discursive Passage with Questionnaire Speaking: Speech Topic – Misuse of Gadgets	Literature Hornbill ● Father To Son ● The Adventure Snapshots ● The Ghat of the Only World ● The Tale of Melon City
August (23)	HORNBILL SNAPSHOTS FULL MARKS	Literature: Ch-6 The Browning Version Ch-8 Silk Road Poem – Childhood Ch-2 The Address Grammar: Gap filling Writing: Posters Reading: Note making	Listening: Discursive Passage (MCQ) Speaking: Extempore Topic - Evils of Gender Discrimination	

September (20)		Revision work		
Half Yearly Exam will be held in the last week of September. Syllabus from April will be included for the examination.				
October (18)	SNAPSHOTS FULL MARKS	Literature: Ch-3 Ranga's Marriage Ch-4 Albert Einstein at School Writing: Letters Grammar: Sentence Reordering/Sentence Transformation Reading: Note marking	Listening: Factual Passage with Questionnaire Speaking: Group Discussion Topic – Joint family vs. Nuclear family	
November (20)	SNAPSHOTS FULL MARKS	Literature: Ch-5 Mother's Day Writing: Speech Writing Grammar: Practice of gap filling Reading: Unseen passage	Listening: Discursive Passage with Questionnaire Speaking: Role Play/Telephonic Conversation	
P.T. II will be held in the last week of November .Syllabus of September and October only will be included for the examination.				
December (22)	SNAPSHOTS FULL MARKS	Literature: Ch-7 Birth Writing: Report Writing Grammar: Introduction to Tenses & Determiners Reading: Note-Making	Listening: Poetry along with Questionnaire Speaking: Narrative/Factual Description	
January (13)		Practice of Speech writing Practice of Debate writing	Listening: Factual Passage with Questionnaire	
February		Revision Work		
Annual Exam will be held in the month of March. Complete syllabus from April to January will be included for the Examination.				

MONTH/ WORKING DAYS	BOOK NAME	TOPIC	SUBJECT ENRICHMENT ACTIVITY	DELETED SYLLABUS
April (20)	NCERT BOOK Lab manual- Prachi publications	CHAPTER : 2 Unit and measurements	Exp.1 To measure diameter of a small spherical/ cylindrical body and to measure internal diameter and depth of a given beaker, using Vernier callipers (SECTION :A) ACTIVITY : 1,2	
May (11)	NCERT BOOK Lab manual- Prachi publications	CHAPTER : 3 Motion in a straight line	Exp.2 To measure diameter of a given wire and thickness of a given sheet using screw gauge. ACTIVITY : 3,4	
July (18)	NCERT BOOK Lab manual- Prachi publication	CHAPTER :4 Motion in a plane	Exp.3 To determine volume of an irregular lamina using screw gauge	CBSE PROJECTS
August (23)	NCERT BOOK Lab manual- Prachi publication	CHAPTER : 4 Motion in a plane CHAPTER :5 Laws of motion	Exp.5 Using a simple pendulum, plot its L-T graph and use it to find the effective length of second's pendulum Exp.6 To find the weight of a given body using parallelogram law of vectors	
September (20)	NCERT BOOK Lab Manual- Prachi publication	HALF YEARLY EXAM		
October (18)	NCERT BOOK Lab Manual- Prachi publication	CHAPTER : 6 Work, Energy and Power CHAPTER 8 Gravitation	SECTION: B Exp: 1,2	
Nov. (20)	NCERT BOOK Lab Manual- Prachi publication	CHAPTER :9 Mechanical Properties of solids CHAPTER : 10 Mechanical properties of fluids		DELETED PORTION Physical world, System of Particles and rotational Motion
Dec. (22)	NCERT BOOK Lab Manual- Prachi	CHAPTER 11 Thermal properties of Matter CHAPTER 14 Oscillations	REVISION –PRACTICALS	Thermodynamics, Kinetic energy

	publication			
Jan (13)	NCERT	CHAPTER 15 Waves And REVISION	Revision	

CLASS XI- SCIENCE

SUBJECT - CHEMISTRY

MONTH/ WORKING DAYS	BOOK NAME	TOPIC	SUBJECT ENRICHMENT ACTIVITY	DELETED SYLLABUS
April (20)	Pradeeps Publication Lab Manual- Practical approach in chemistry Prachi publication	Ch-1 Some basic concept of chemistry Ch-2 Structure of atom	<u>Practical-Basic laboratory techniques.</u> 1.1 To cut a glass tube & round off its edges	<u>Unit 14-Environmental chemistry</u> <u>Practicals excluded-</u> 1-pH & change in pH in aqueous solution
May (11)	Pradeeps Publication Lab Manual- Practical approach in chemistry Prachi publication	Ch-3 Classification of elements & periodicity in properties	1.2 To bend a glass tube through a certain desired angle	
July (18)	Pradeeps publication Lab Manual-practical	Ch-4 Chemical bonding & molecular structure	— <u>Practical-Crystallization of impure sample of organic compound</u> 2.1 To prepare pure crystals of potash alum	2-practicals of chemical equilibrium

	<p>approach in chemistry Prachi publication</p>	<p>Ch- 5 Structure of Matter</p>	<p>from given sample 2.2 To prepare impure sample Of benzoic acid by crystallization</p>	
<p>August (23)</p>	<p>Pradeeps publication Lab Manual-practical approach in chemistry Prachi publication</p>	<p>Ch-6 Thermodynamics Ch- 7 Equilibrium Ch-8 Redox reaction</p>	<p>2.3 To prepare crystals of ferrous sulphate</p>	
<p>September (20)</p>	<p>Half yearly exams</p>			
<p>October (18)</p>	<p>Pradeeps publication Lab Manual-prachi publication</p>	<p>Ch-9 Hydrogen Ch 10-sblock Ch-11 p-block</p>	<p><u>Quantative estimation</u> 5.1 To prepare 1 lit of 1M solution of HCl 5.2 To prepare 250 ml of 1M solution of HCl From . commercial avail.conc. sulphuric acid</p>	
<p>November (20)</p>	<p>Pradeeps publication Lab Manual-Prachi publicatio</p>	<p>Ch-12 Organic chemistry some basic principles Ch 13</p>	<p>5.3 To prepare 250 ml of 0.1N solution of oxalic acid 5.4 s To prepare 250 ml of 0.5N solution of sodium carbonate <u>6.1 Qualitative analysis</u></p>	

	n	Hydrocarbons	<u>6.2 Detection of Nitrogen, sulphur & halogens</u>	
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CLASS XI- SCIENCE

SUBJECT - MATHS

MONTH/ WORKING DAYS	BOOK NAME	TOPIC	SUBJECT ENRICHMENT ACTIVITY	DELETED SYLLABUS
APRIL (20)	NCERT - Lab Manual Practical - Prachi publication	Chapter - 1 Sets	PRACTICALS	
MAY (11)	NCERT - Lab Manual Practical - Prachi publication	Chapter 2 - Relation & Function	PRACTICALS	
July (18)	NCERT - Lab Manual Practical - Prachi publication	Chapter - 3 Trigonometric functions Chapter - 5, Complex Numbers & Quadratic Equation	PRACTICALS	
August (23)	NCERT - Lab Manual Practical - Prachi publication	Chapter - 6 Linear Inequalities Chapter - 7 Permutations and Combinations Chapter - 9 Sequences and Series	PRACTICALS	
September (20)	NCERT - Lab Manual Practical - Prachi publication	HALF YEARLY EXAM	PRACTICALS	

October (18)	NCERT - Lab Manual Practical - Prachi publication	Chapter - 10 Straight lines Chapter - 11 Conic Sections Chapter - 12 Introduction of 3-D	PRACTICALS	
Nov. (20)	NCERT - Lab Manual Practical - Prachi publication	Chapter -13 Limits and Derivatives Chapter - 15 Statics	PRACTICALS	
Dec. (22)	NCERT - Lab Manual Practical - Prachi publication	Chapter - 16 Probability	PRACTICALS	
Jan (13)	NCERT - Lab Manual Practical - Prachi publication	Revision	PRACTICAL REVISION	

CLASS XI-

SUBJECT - BIO

MONTH/WORKING DAYS	BOOK NAME	TOPIC	SUBJECT ENRICHMENT ACTIVITY	DELETED SYLLABUS
April (20) May (11)	NCERT Lab Manual Prachi Publication	Ch.-1 The Living World		Chapter-1: The Living World (taxonomy and systematics; tools for study of taxonomy- museums, zoological parks, herbaria, botanical gardens, keys for Identification.
July (18)	NCERT Lab Manual Prachi Publication	Ch.-2 Biological Classification Ch.-3 Plant Kingdom	Lab Manual Exp.- 1 (Spotting) Compound Microscope	

<p>August (23)</p>	<p>NCERT</p> <p>Lab Manual</p> <p>Prachi Publication</p>	<p>Ch-4 Animal Kingdom</p> <p>Ch-5: Morphology of Flowering Plants (Morphology of inflorescence and flower, description of 1 family: Solanaceae or Liliaceae)</p> <p>Ch-7: Structural Organisation in Animals (Animal Tissues)</p> <p>Ch-8: Cell-The Unit of Life</p> <p>Practical: Study and describe available common flowering plant from any one family (Solanaceae or Liliaceae) including dissection</p>	<p>Lab Manual</p> <p>(Spotting)</p> <p>Exp-2: Study of specimens Plant's Specimens</p> <p>Exp-3: Study of Animal specimen</p> <p>Exp-4: Tissues and diversity in shape and size of animal cells</p>	<p>Chapter-3: Plant Kingdom Angiospermae; Angiosperms - classification up to class, characteristic features and examples</p> <p>Chapter-5: Morphology of Flowering Plants (• Morphology and modifications: Morphology of different parts of flowering plants: root, stem, leaf, fruit and seed. • Description of families: - Fabaceae)</p> <p>Chapter-6: Anatomy of Flowering Plants (Whole Chapter)</p> <p>Chapter-7: Structural Organisation in Animals (• Morphology, Anatomy and functions of different systems (digestive, circulatory, respiratory, nervous and reproductive) of an insect (cockroach), (a brief account only).</p>
<p>September (20)</p>		<p>HALF YEARLY EXAM</p>		

<p>October (18)</p>	<p>NCERT</p> <p>Lab Manual</p>	<p>Ch-9: Biomolecules</p> <p>Ch-10: Cell Cycle and Cell Division</p> <p>Ch-13: Photosynthesis in Higher Plants</p> <p>Practical</p> <ol style="list-style-type: none"> 1. Study of mitosis in onion root tip cells and animal cells (grasshopper) from permanent slides. 2. Separation of plant pigments through paper chromatography. 3. Study of distribution of stomata in the upper and lower surface of leaves. 	<p>Lab Manual</p> <ul style="list-style-type: none"> • PRACTICAL • VIVA 	<p>Chapter-11: Transport in Plants (whole chapter)</p> <p>Chapter-12: Mineral Nutrition (whole chapter)</p> <p>Chapter-15: Plant - Growth and Development (Seed germination; phases of plant growth and plant growth rate; conditions of growth; differentiation, dedifferentiation and redifferentiation; sequence of developmental processes in a plant cell; Seed dormancy; vernalization; photoperiodism)</p> <p>Chapter-16: Digestion and Absorption (whole chapter)</p>
<p>November (20)</p>	<p>NCERT</p> <p>Lab Manual</p>	<p>Ch-14: Respiration in Plants</p> <p>Ch-15: Plant - Growth and Development (Growth regulators - auxin, gibberellin, cytokinin, ethylene, ABA.)</p> <p>Ch-17: Breathing and Exchange of Gases</p> <p>Ch-18: Body Fluids and Circulation</p>	<ul style="list-style-type: none"> • Lab Manual • PRACTICAL VIVA 	

		<p>PRACTICAL</p> <p>Study of the rate of respiration in flower buds/leaf tissue and germinating seeds.</p>		
December (22)	<p>NCERT</p> <p>Lab Manual</p>	<p>Ch-19: Excretory Products and Their Elimination</p> <p>Ch-20: Locomotion and Movement (Skeletal muscle, contractile proteins and muscle contraction.)</p> <p>Ch-21: Neural Control and Coordination (Neuron and nerves; Nervous system in humans - central nervous system; peripheral nervous system and visceral nervous system; generation and conduction of nerve impulse.)</p> <p>Ch-22: Chemical Coordination and Integration</p> <p>PRACTICAL</p> <p>1. Test for presence of sugar in urine.</p> <p>2. Test for presence of albumin in urine.</p>	<ul style="list-style-type: none"> • Lab Manual • PRACTICAL • VIVA 	<p>Chapter-20: Locomotion and Movement (Types of movement - ciliary, flagellar, muscular; Skeletal system and its functions; joints; disorders of muscular and skeletal systems - myasthenia gravis, tetany, muscular dystrophy, arthritis, osteoporosis, gout.</p> <p>Chapter-21: Neural Control and Coordination (reflex action; sensory perception; sense organs; elementary structure and functions of eye and ear)</p>

MONTH/ WORKING DAYS	BOOK NAME	TOPIC	SUBJECT ENRICHMENT ACTIVITY	DELETED SYLLABUS
July (18)	Prachi (India Pvt.ltd) (J.P.H Lab manual)	Ch-1 Changing teens and career in phy. Edu. Ch-2 Olympic value education	Practical 1 Physical fitness test	Ch-1 Competitions in various sports at national and international level, khelo India program Ch-2 Indian Olympic association
Aug (23)	Prachi (India Pvt.ltd)	Ch-3 Physical fitness, wellness and lifestyle Ch-4 Physical education and sports for CWSN	Revise practical- I	Ch-3 Components of health related fitness Ch-4 Role of various professional for CWSN
September	Prachi (India Pvt.ltd)	Half Yearly Exam		
October (18)	Prachi (India Pvt.ltd)	Ch-5 Yoga Ch-6 Physical activity and leadership training	Practical-II Skill of any one major game	Ch-5 Relaxation techniques Ch-6 (1.)Creating leaders through physical education (2.)Safety measures to prevent sports injuries
November (20)	Prachi (India Pvt.ltd)	Ch-7 Test, measurement and evaluation	Revise practical- II	-
December (22)	Prachi (India Pvt.ltd)	Ch-8 Fundamental of anatomy, physiology and kinesiology on sports Ch-9 Psychology and sports	Practical-III Yogic practices	Ch-8 Measurement of health related fitness Ch-9 Equilibrium

Jan (13)	Prachi (India Pvt.ltd)	Ch-10 Training and Ropping in sports	Revise practical- III	Ch-10 (1.)Concept and classification of doping (2.) Prohibital substance (3.) Dealing with alcohol and substance abuse
Feb		Revision	Sports	

CLASS XI- SCIENCE

SUBJECT - CS

MONTH/ WORKING DAYS	BOOK NAME	TOPIC	SUBJECT ENRICHMENT ACTIVITY	DELETD SYLLABUS
April	Computer Science With Python	Ch-1 Computer System Organization		
May	Computer Science With Python	Ch-2 Data Representation And Boolean Logic		
July (18)	Computer Science With Python	Ch-3 Computational Thinking And Getting Started With Python Ch-4 Python Programming Fundamentals	Sample Program Based On Python	Unit I: Computer Systems and Organisation ● Encoding Schemes : UTF8, UTF32 ● Concept of cloud computing and cloud services (SaaS,IaaS,PaaS), cloud (public/private), Blockchain technology
Aug (23)	Computer Science With Python	Ch-5 Conditional And Looping Constructs Ch-6 String In Python	Program Based On Loop I.E. While, For Etc.	Unit II: Computational Thinking and Programming - 1

			Program Based On String	Decomposition – concept, need for decomposing a problem, examples of problem solving using decomposition. • Sorting algorithm: bubble and insertion sort; count the number of operations while sorting.
September	HALF YEARLY EXAM			
October	Computer Science With Python	Ch-7 Lists In Python Ch-8 Tuples And Dictionary	Program Based On Lists Program Based On Tuples And Dictionary.	Suggested Practical List Input a list of elements, sort in ascending/ descending order using Bubble/ Insertion sort.
Nov	Computer Science With Python	Ch-9 Introduction To Python Modules	Program Based On Python Modules.	
December	Computer Science With Python	Ch-10 Errors And Exceptions In Python	Program Based On Try Except.... Else Clause	
January	Computer Science With Python	Ch- 11 Society, law and ethics		

कक्षा - 11

विषय - हिन्दी

मास/कार्यदिवस	पुस्तक नाम	पाठ नाम	पाठ्यक्रम संबंधित क्रियाकलाप	पाठ्यक्रम से हटाए जाने वाले पाठों के नाम
अप्रैल	अंतरा – काव्य भाग	पाठ 1 – अरे इन दोहन रह ना पाई	सुनना :कबीर दास के दोहे	अंतरा पुस्तक – काव्य खंड

	<p>गद्य भाग</p> <p>कार्यालयी हिंदी</p>	<p>पाठ -1- ईदगाह</p> <p>पाठ 2 – दोपहर का भोजन</p> <p>इकाई – 1</p> <p>जनसंचार माध्यम, अपठित गद्यांश औपचारिक पत्र</p>		<p>पाठ 3 – हँसी की चोट, सपना, दरबार</p> <p>पाठ 5 – संध्या के बाद</p> <p>पाठ 7- नींद उचट जाती है</p> <p>पाठ 9 – हस्तक्षेप</p> <p>गद्य खंड</p> <p>पाठ 17 – नए जन्म की कुंडली</p> <p>पाठ 18 – उसकी माँ</p> <p>पाठ 19 – भारतवर्ष की उन्नति कैसे हो सकती है?</p>
मई	<p>अंतरा काव्य भाग</p> <p>कार्यालयी हिंदी</p>	<p>पाठ 2 – खेलन में काकू....</p> <p>ईकाई 2 – सृजनात्मक लेखन</p> <p>पाठ 3, डायरी लिखने की कला, अपठित काव्यांश</p>	<p>वार्तालाप – किस समाज के सदस्य सभ्य हैं या असभ्य ।</p>	
जुलाई	<p>अंतरा भाग 1</p> <p>अन्तराल</p> <p>कार्यालयी हिंदी</p>	<p>गद्य खंड</p> <p>पाठ –4 गूंगे</p> <p>पाठ 1- अंडे के छिलके</p> <p>पाठ –ईकाई 3, कार्यालयी लेखन</p>	<p>कथा वाचन</p> <p>प्रेमचंद की एक कोई कहानी</p>	

		और प्रक्रिया		
अगस्त	<u>अंतरा भाग</u> <u>1</u> <u>कार्यालयी हिंदी</u>	गद्य खंड पाठ 5 – ज्योतिबा फुले काव्य खंड पाठ 4 औरै भंति कुंजन ईकाई 1 – पाठ 2, पत्रकारिता के विविध आयाम अपठित गद्यांश व अपठित काव्यांश	परियोजना कार्य सूरदास, कबीर दास, मीराबाई,, रसखान	
अर्धवार्षिक परीक्षा सितम्बर में होंगी और पाठ्यक्रम अप्रैल से अगस्त तक का सम्मिलित किया जायेगा।				
अक्टूबर	अंतरा भाग 1	गद्य भाग पाठ 6 – खानाबदोश काव्य खंड पाठ 8 बादलों को घिरते देखा है . पाठ 2 – हुसैन की	पाठ्यक्रम अनुसार किसी एक कवि अथवा लेखक का जीवन परिचय	

	अन्तराल भाग	कहानी निबंध लेखन		
नवंबर	अंतरा भाग 1 ईकाई 3 -	काव्य खंड पाठ 6 – जाग तुझको दूर जाना व्यावहारिक लेखन (स्ववृत्त, और रोज़गार संबंधी आवेदन पत्र	वृक्षारोपण पर भाषण	छात्रों में बोल चाल की भाषा को शुद्ध व समृद्ध करना
दिसंबर	अंतरा भाग 1 कार्यालयी लेखन	काव्य भाग पाठ 10 – घर में वापसी ईकाई 2 – कथा – पट कथा, निबंध, अपठित गद्यांश	संवाद लेखन – देश की घटनाओं पर	
जनवरी	अन्तराल	पाठ 3 – आवारा मसीहा आवेदन पत्र, निबंध, अपठित काव्यांश	परियोजना कार्य	
फरवरी	<u>वार्षिक परीक्षा के लिए अभ्यास कार्य</u>			
मार्च	वार्षिक परीक्षा फरवरी में होगी और अप्रैल से जनवरी तकका सम्पूर्ण पाठ्यक्रम सम्मिलित किया जायेगा ।			