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# RADHA GOVIND PUBLIC SCHOOL

Anuyogipuram , Garh Road, Meerut

CLASS - XI

SYLLABUS : SESSION 2026-27

CLASS NAME -SCIENCE & COMMERCE

Name: \_\_\_\_\_

Class: \_\_\_\_\_

Admn.NO: \_\_\_\_\_

Phone No: \_\_\_\_\_



LEARN

*“Optimism is the faith that leads to achievements.Nothing can be done without hope and confidence”*

*Note: Kindly preserve this syllabus in the student’s personal file for the entire session 2026-27. In case it is lost or destroyed a duplicate copy will be available for Rs.30/-.*

## ENGLISH CORE (Code -301)

Name of the Book		Publisher	
SNAPSHOT: Supplementary Reader Text Book English Compacta Basic English		Hornbill: BBC	NCERT
Months		Section	Chapter
April & May	PA-I Examination	Introductory Class Writing: Letter to the editor	HB:Ch-1 :The Portrait of a lady HB: Poem : A photograph SS:Ch-1:The summer of the beautiful white horse
		Poster Writing, Notice writing, Article writing Adv Situation-Vacant	SS:Ch- 2: The address
July	Half Yearly Examination	Writing: (placing order, registering complaints)	HB:poem:The Laburnum Top HB: Ch-2:We are not afraid to die
August		writing :Speech writing, Classified Advertisement	HB:Ch-3:Discovering Tut the Saga continues HB:Poem-3:The voice of the rain
September			HB: Poem-4: Childhood
October		Reading:Note making Writing, Debate writing	SS:Ch:3 Mother's Day
November	PA-III Examination	Job application	HB:Ch-4:The Adventure HB:Poem-5:Father to Son
December		Writing:Report writing, Narrative	SS:Ch-4 :Birth SS Ch-5:The Tale of Melon City
January			HB:Ch-5 :Silk Road
February	Annual Examination		

## HINDI CORE (Code -302)

Name of the Book		Publisher	
आरोह भाग - 1 वितान भाग - 1 अभिव्यक्ति और माध्यम		NCERT	
Months	Specification	Section	
April	P A -I Examination अपठित गद्यांश, अपठित काव्यांश, नमक का दरोगा ,कबीर, मीरा ,भारतीय गायिकाओं में बेजोड़- लता मंगेशकर, शब्दकोश, स्ववृत, अप्रत्याशित लेखन	अपठित	अपठित गद्यांश
		आरोह गद्य खंड	नमक का दरोगा (प्रेमचंद)
		आरोह काव्य खंड	कबीर -हम तौ एक एक +मीराबाई- मेरे तो गिरिधर
		वितान	भारतीय गायिकाओं में बेजोड़-लता मंगेशकर (कुमार शब्दकोश, अप्रत्याशित लेखन
May		अपठित	अपठित पद्यांश
		आरोह गद्य खंड	मियाँ नसीरुद्दीन (कृष्णा सोबती)
		आरोह काव्य खंड	घर की याद
		वितान	
July		जनसंचार एवं अभिव्यक्ति अनौपचारिक पत्र	स्ववृत
		अपठित	अपठित गद्यांश
		आरोह गद्य खंड	अप्पू के साथ ढाई साल
		आरोह काव्य खंड	चंपा काले काले अक्षर नहीं चीन्हती
August		वितान	राजस्थान की रजत बुँदे (अनुपम मिश्र)
		जनसंचार एवं अभिव्यक्ति अनौपचारिक पत्र	डायरी लिखने की कला
		अपठित	अपठित गद्यांश
		आरोह गद्य खंड	विदाई संभाषण
		आरोह काव्य खंड	गज़ल
		वितान	

		जनसंचार एवं अभियक्ति अनौपचारिक पत्र	
		जनसंचार एवं अभियक्ति अनौपचारिक पत्र	कथा-पटकथा
September	Half Yearly Examination		
October		अपठित	अपठित गद्यांश
		आरोह गद्य खंड	गलता लोहा
		आरोह काव्य खंड	हे भूख ! मत मचल ,हे मेरे जुही के फूल जैसे ईश्वर
		जन संचार एवं अभियक्ति	कार्यालयी लेखन और प्रक्रिया
November		अपठित	
		आरोह गद्य खंड	रजनी
		आरोह काव्य खंड	सबसे खतरनाक
		जन संचार एवं अभियक्ति	पत्रकारिता के विविध आयाम
		अपठित	अपठित काव्यांश
December	द्वितीय आवधिक मूल्यांकन	आरोह गद्य खंड	जामुन का पेड़+भारत माता (ज. ल. नेहरू)
		आरोह काव्य खंड	आओ मिलकर बचाए (निर्मला पुतुल)
		वितान	आलो आँधारी (बेबी हालदार)
		जन संचार एवं अभियक्ति	
January		पुनरावृत्ति पुनरावृत्ति Annual Examination	
February			
March			

### MATHS (Code- 041)

Name of the Book		Publisher	
NCERT		NCERT	PRACTICAL COPY
Months		Chapter	Practicals/ Activities
April & May		Ch 1 Sets	1. To verify that for two sets A and B, $n(A \times B) = pq$ and total number of relation from A to B is $2^{pq}$
		Ch 2 Relational and Function	2 To represent set theoretic operations using venn diagram
July	PA- I Examination	Ch 3 Trigonometric Functions Ch 4 Complex Number	3. Distinguish between a relation and a function. 4. To identify a relation and a function.
August		Ch 5 Linear Inequalities Ch 6 Permutation and Combination Ch 7 Binomial Theorem	5. To plot the graph of $\sin x$ , $\sin 2x$ , $\sin x/2$ using same coordinate axes.
September	Half Yearly Examination		6. To find the values of sine and cosine functions in second, third and fourth quadrant using their given values in I quadrant.
October		Ch 8 Sequence and Series Ch 9 Straight lines	7. To verify the relation between the degree measure and the radian measure of an angle.
November		Ch 10 Conic Section Ch 11 3-D Geometry Ch 13 Statistics	8. To verify distributive law of for three given non-empty sets A,B and C, that is $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$
December	PA-III Examination	Ch 12 Limits and Derivatives Ch 14 Probability	
January	Revision		Revision for PA-III Examination
February			Revision
			Annual Examination

### PHYSICS (Code -042)

Name of the Book		Publisher	
PART - I II MANUAL	PART - LAB	NCERT Practical Notebook	
Months		Chapter	Practical & Activity

April		1: Units & Measurements 2: Motion in a Straight Line	1. To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume.
May		3: Motion in a Plane	2. To measure diameter of a given wire and thickness of a given sheet using screw gauge. Sec A (Activity-1) To make a paper scale of given least count, e.g., 0.2cm, 0.5 cm
June	<b>P.A-I Examination</b>		
July	Half Yearly Examination	4: Laws of Motion 5: Work, Energy & Power 6: System of Particles and Rotational Motion	3. To determine the mass of two different objects using a beam balance. 4. Using a simple pendulum, plot its L-T <sup>2</sup> graph and use it to find the effective length of second's pendulum Sec A (Activity-2) To determine mass of a given body using a metre scale by principle of moments.
August		7: Gravitation 8: Mechanical Properties of Solids	5. To study variation of time period of a simple pendulum of a given length by taking bobs of same size but different masses and interpret the result. 6. To study the relationship between force of limiting friction and normal reaction and to find the co-efficient of friction between a block and a horizontal surface. SecA (Activity.3) To measure the force of limiting friction for rolling of a roller on a horizontal plane.
September		9: Mechanical Properties of Fluids	7. To determine the surface tension of water by capillary rise method. 8. To determine the coefficient of viscosity of a given viscous liquid by measuring terminal velocity of a given spherical body. SecB(Activity-2) To study the effect of detergent on surface tension of water by observing capillary rise
October		10: Thermal Properties of Matter 11: Thermodynamics	6. To observe the decrease in pressure with increase in velocity of a fluid. SecB(Activity2) To note the change level of liquid in a container on heating and interpret the observations.
November	PA-III Examination	12: Kinetic Theory 13: Oscillations	
December		14: Waves	
January	Revision classes		
February	Annual Examination		

## Chemistry (Code -043)

Name of the Book		Publisher	
PART - I II MANUAL - COPY	PART - LAB	NCERT	
Months	Chapter		Practical
			Preparation of standard solution of oxalic acid, basic laboratory techniques

April & May		Ch 1 Some basic concept of Chemistry	1. Determination of strength of a given solution of sodium hydroxide by titrating it against standard solution of oxalic acid. 2. Determination of anion and cation in a given salt.
		Ch 2 Structure of Atom Ch 3 Classification of elements.	Preparation of standard solution of sodium carbonate. Determination of strength of a given solution of hydrochloric acid by titrating it against standard sodium carbonate solution.
June	<b>PA- I Examination</b>		
July & August	Half Yearly Examination	Ch 4 Chemical Bonding Ch 5 Thermodynamic	Crystallization of impure sample of alum. Determination of anion and cation in a given salt.
September & October		Ch 5 Thermodynamic Ch 6 Equilibrium	Crystallization of impure salt of copper sulphate.
November		Ch 6 Equilibrium	Experiments based on pH
		Ch 7 Redox reactions	
December	PA- III Examination	Ch 8 organic Chemistry	Determination of anion and cation in a given salt.
		Ch 9 Hydrocarbons	
January	<b>Revision</b>		
February	<b>Annual Examination</b>		

## Biology (Code -044)

Name of the Book		Publisher		
BIOLOGY TEXT BOOK MANUAL-COPY	LAB	NCERT		
Months			Chapter	Practical
April & May			Unit -1 Diversity in the living world Ch 1- The living world Ch 2- Biological classification Ch 3- Plant kingdom	
			PA-I Examination	Ch 4- Animal kingdom
June				Unit-2 Structural organization in plants and animals Ch 5- Morphology of flowering plants
				2- Identify the specimens/slides - bacteria, oscillatoria, spirogyra, rhizopus, mushroom, moss, pine, fern and lichen
July			Ch 6- Anatomy of flowering plants. Ch 7- Structural organization in animals Unit-3 Cell: structure and function Ch 8- Cell: The unit of life	3- Identify the specimens/ slides- amoeba, hydra, liver fluke, ascaris, leech, earthworm, prawn, honeybee, starfish, shark, rohu, frog, lizard
				4- Test for the presence of sugar, starch, proteins and fats in suitable plants and animal materials
August			Ch 9- Biomolecules Ch 10- Cell cycle and cell division	
				5- Study of osmosis by potato osmometer
				6- Study of distribution of stomata in the upper and lower surfaces in leaves
				7- Study of the rate of transpiration in the upper and lower surfaces of leaves
September	Half Yearly Examination			8- Preparation and study of T.S. of dicot and monocot root

October	Unit-4 Plants Physiology	Ch 11- Photosynthesis in higher plants	
		Ch 12- Respiration in plants	
		Ch 13- Plants growth and development	
		Unit-5 Human physiology	9- Preparation and study of T.S. dicot and monocot stem
			10- Separation of plants pigments through paper Chromatography
			11- Observation of permanent slides of tissues
November	PA-III Examination	Ch 14- Breathing and Exchange of gases	12- Mitosis in onion root tip cells
		Ch 15- Body fluids and circulation	
December		Ch 16- Excretory fluids and their elimination	13 - Study of the rate of respiration in germinating seeds
		Ch 17- Locomotion and movement	
		Ch 18- Neural control and coordination	
Ch 19- Chemical coordination and integration			
January		Revision	15- Human skeleton and different joints with the help of model
February	Annual Examination		

## Painting (Code -049)

Name of the Book		Publisher	
An Introduction to Indian Art Part I		NCERT/Panoramic	
Months		Chapter	Practicals/ Activities
April & May	P A -I Examination Unit - 1	*Introduction of art Unit 1 -1.Pre Historic Rock Painting 2.Art of Indus valley civilization	Nature and object study-1
June		Unit 2: -3.General introduction of art during Moryan, Shunga, Kushana and Gupta Period 4.Art of Ajanta	
July	Half yearly Examination Unit - 1,2,3,4	Unit 2: -3.General introduction of art during Moryan, Shunga, Kushana and Gupta Period 4.Art of Ajanta	Nature and object study-2
August		Unit-3 Indian temple sculpture	Folk art - any one
September		Revision:-1.Prehistoric Rock Painting 2.Indus Valley civilization	Sketch, land scape-3
October		Revision:-3.Gupta period 4.Art of Ajanta Ch-5 indian temple sculpture Ch-6 Indian Bronzes	Composition (Portrait)- 1
November	P A -III Examination Unit - 1,2,3,4,5,6,7	Revision	Composition (Daily life)- 2 Dancing figure
December		Ch-7 Indo Islamic Architecture	
January		Revision	Landscape-1
February	Annual Examination		

## Physical Education (Code -048)

Name of the Book		Publisher		Practical Copy	
Physical & Health Education		Vishwas			
Months		Chapter	Practical		
April & May		Changing Trends and Career in Physical Education	Football		
		olympism value education			
June	PA-1 EXAMINATION	Yoga	Yoga		
July & August		Physical Education and Sports for CWSN	Badminton		
		Physical fitness, wellness and lifestyle			
		test measurement & Evaluation			
September	Half Yearly Examination	Fundamental of Anatomy,Physiology in sports	Sai Khelo India Test, Flamingo Test		
October		Fundamental of Kinesiology & Biomchanics in sports	Kho-Kho		
November		PsyChology & sports	Cricket		
December	PA-III Examination	Training and Doping in sports	Volleyball		
		Revision			
January		Revision			
February		Annual Examination			

## Hindustani Music Vocal (034)

Name of the Book		Publisher			
Swarnidhi		Arya publication			
Months		Chapter	Practical		
April	May	Unit-1 Brief study of the following, Nadar, Shruti, Swar, Saptak, Thaat, Jati, Raag, Sangeet Taal, Raag, Deshi aur Margi Sangeet Unit-3 Breif study of the musical elements , Life sketch and contriution of tansen, V.N. Bhartkhande and V.D. Paluskar	Teen taal , Raag Bhairvi Unit- 4 Ek taal		
July	PA-1 EXAMINATION	Unit-5 Critical study of prescribed ragas along with recognizing raga.from swarlipi and ellborating them. Writing in notation the composition of prescribed ragas	Raag Bhairvi Swarlipi		
August		Unit-2 Dhrupad Gaayan shaili Unit- 4 Taanpura	Unit- 5 Raag Bihag		
September	Half Yearly Examination	Unit-4 Description of prescribed talas with along tala notation with Thah, Dugun and Chaugun.			
October		Unit-2 Khayaal gaayan shaili , taraana	Raag Bheem palasi		
November		Detail study of all Ragas and Talas Unit- 3 Granth Natya Shastra	Unit- 4 Chaar Taal		
December	PA-III Examination	Revision			
January					
February		Annual Examination			

## IP(065)

Name of the Book		Publisher			
Informatics Practices		NCERT		CBSE	
Months	P.A	Section	Chapter		
Anril & Mav	P A -I Examination	Unit 1: Introduction to Computer System Unit 2: Introduction to Python	Make a powerpoint presentation on "Types of Software"		

	Unit - 1,2	Unit 2: Introduction to Python (Cont.)	Project 1 (Python Programs)
July	Half yearly Examination Unit - 1,2,3,4	Unit 3: Data Handling using NumPy	Project 2 (NumPy Functions)
August		Unit 3: Data Handling using NumPy (Cont.)	
September		Unit 4: Database concepts and the Structured Query Language	Project 3 (Database query)
October		Unit 4: Database concepts and the Structured Query Language (Cont.)	
November	P A -III Examination Unit - 1,2,3,4,5	Unit 5: Introduction to the Emerging Trends	Create a Powerpoint Presentation on "Emerging Trends"
December		Unit 5: Introduction to the Emerging Trends (Cont.)	
January			Revision
February	Annual Examination		

## Economics (Code -030)

Name of the Book	Publisher
Statistics for Economics	NCERT/SANDEEP GARG

Months	PA	Section	Chapter
April (24 Days) May (25 Days)			Micro- Ch- 1 Economics & Economy Ch- 2 Central problem of an economy Statistics- Ch-1 Concept of Economics & Significance of statistics Ch- 2 Collection of data
June	P A -I Examination		
July (23 Days)	Ch- 1,2 of Micro and Ch- 1, 2 of Statistics		Micro- Ch- 3 Consumer's Equilibrium-Utility Analysis Ch- 4 Consumer's Equilibrium -IC Curve Statistics- Ch-3 Organisation of data Ch- 4 Presentation of data Ch- 5 Diagrammatic Presentation of data
August (22 Days)			Micro- Ch- 5 Theory of Demand Ch- 6 Elasticity of Demand Statistics- Ch- 6 Frequency diagram Ch- 7 Frequency Polygon
September (23 Days)	Ch- 1,2,3,4 ,5 & 6 of Micro and Ch- 1,2,3,4&5 of Statistics	Half yearly Examination	Revision
October (22 Days)			Micro- Ch- 7 Production function Ch- 8 Concepts of Cost,Ch-9 Concept of Revenue Statistics- Ch- 8 Arithmetic Line Graph Ch- 9 Arithmetic Mean.
November (20 Days)	PA -III Examination Ch- 10,11 Of micro and Median & mode and correlation of statistics		Micro- Ch-10 Producer Equilibrium Ch- 11 Theory of Supply Statistics- Ch- 10 Measure of central tendency - Median and Mode Ch-11 Correlation
December (24 Days)			Micro Ch-12 Forms of market ,Ch- 13 Market equilibrium under perfect competition and effects Statistics- Ch-12 Index Number
January (20 Days)			Revision
February (24 Days)	Annual Examination		

## Business Studies (Code -054)

Name of the Book		Publisher	
Business Studies		NCERT/SANDEEP GARG	
Months	PA	Section	Chapter
April (24 Days)			Ch- 1 Nature and Purpose of Business, Ch- 2 Forms of Business Organisations
July (23 Days)	P A -I Examination Ch - 1& 2		Ch- 3 Public, Private and Global enterprises, Ch- 4 Business Services
August (22 Days)			Ch-5 Emerging Modes of Business Ch- 6 Social Responsibility of business and business ethics
September (23 Days)	Half yearly Examination Ch- 1, 2, 3, 4 & 5		Revision
October (22 Days)			Ch- 7 Sources of business finance, Ch- 8 Small business and Enterprises
November (20 Days)	PA -III Examination Ch- 6,7 & 8		Ch- 9 Internal trade, Ch- 10 International Trade
December (24 Days)			
January (20 Days)			Revision
February (24 Days)	Annual Examination		

## Accountancy (Code -055)

Name of the Book		Publisher	
Financial Accounting Part I & II		NCERT	
Months	PA	Section	Chapter
April (24 Days)			Ch 1 : Meaning and Objectives of Accounting Ch 2 : Basic Accounting Terms Ch 3 : Accounting Principles Ch 4 : Process and Bases of Accounting
May (25 Days)			Ch 5 : Accounting Standards Ch 6 : Accounting Equations Ch 7 : Double Entry system
July (23 Days)	P A -I Examination Ch - 1,2,3,4		Ch 8 : Origin of transactions : Source documents of Accountancy Ch 9 : Books of original Entry - Journal Ch 10 : Accounting for Goods and Service Tax(GST)
August (22 Days)			Ch 11 : Books of original Entry - Cash Book Ch 12 : Books of original Entry - Special Purpose Subsidiary Books
September (23 Days)	Half yearly Examination Unit - 1,2,3,4,5,6,7,8,9,10		Ch 13 : Ledger Ch 14 : Trial Balance and Errors Ch 15 : Bank Reconciliation Statement Ch 16 : Depreciation Ch 17 : Provisions and Reserves
October (22 Days)			Ch 18 : Rectification of Errors Ch 19 : Capital and Revenue
November (20 Days)	PA -III Examination Unit - 1,2,3,4,5,		Ch 20 : Financial Statements Ch: 21 Financial Statements - With Adjustments Ch- Incomplete Records
December (24 Days)			
January (20 Days)			Revision
February (24 Days)	Annual Examination		

## Applied MATHS (Code- 241)

Name of the Book		Publisher	
Applied Mathematics		Avichal	
Months	PA	Chapter	Practicals/ Activities

April & May		Ch 1 Numbers	Activity Related to Numbers and Logarithms
		Ch 2 Indices and Logarithms	
June	PA- I Examination		
July		Ch 3 Quantitative aptitude Ch 4 Mensuration Ch 5 Sets and Relations Ch 9 Function	Activity Related to Mensuration
August		Ch 6 Sequences and series Ch 7 Permutations and Combinations Ch 8 Logical Reasoning Ch 10 Limits and Continuity	Activity Related to Logical Reasoning and Sequences
September	Half Yearly Examination		
October		Ch 11 Differentiation	Activity Related to Probability
		Ch 12 Probability	
		Ch 13 Descriptive Statistics	
November		Ch 14 Compund Interest and Annuity	Activity Related to Principels and Intrest
		Ch 15 Taxation	
		Ch 16 Utility Bills	
December	PA-III Examination	Ch 17 Straight Line Ch 18 Circle and Parabola	Activity Related to Circle and Parabola
January	Revision		Revision for PA-III Examination
February			Revision
			Annual Examination

## History (Code -027)

Name of the Book		Publisher	
Text Book in History-Theme in World History		NCERT	
Months		Chapter	Activity
<b>Part - A Contemporary Wold Politics</b>			
April & May			Ch 1, Writing and City Life
			Ch-2 An empire across three continents
July	PA-I Examination		Ch-3 Nomadic Empires Map work
August			Ch 4 The three order Ch-5 Changing cultural traditions Project Work
			Revision
September	Half Yearly Examination		
October			Ch 6 Displacing indgineous peoples Ch 7 Paths to Modernisation Project Work
			Ch 7 Paths to Modernisation Project Work Map Work
			Revision Project Work - PPT
November			
December	PA-III Examiation		
January			Revision
February			Annual Examination

## Political Science (Code -028)

Name of the Book		Publisher	
A Indian Constitution at Work Part B Political T		NCERT	
Months		Section	Chapter
April & May	PA- I Examination	at work	Ch 1, Constitution Why and How ?
		Part B: Political theory	Ch 1 Political Theory: an introduction
July		Part A:	Ch 2,Rights in the indian Constituttion
		Part B:	Ch 2 Freedom
August		Part A:	Ch 3 Election and Representation
			Ch 4 Executive
		Part B:	Ch 3 Equality
September	Half Yearly Examination	Part A:	Ch 5 Legislature
		Part B:	Ch 4 Socail Justice
			Ch 5 Rights
October		Part A:	Ch 6 Judiciary
		Part B:	Ch 6 Citizenship
			Ch 7 Nationalism
November		Part A:	PPT+Project Work
		Part A	Ch 7 Federalim
December	PA-III Examiation	Part A:	Ch 8 Local Governments
		Part B:	Ch 8 Secularism
January		Part A	Ch 9 Constitution as a living document
			Ch 10 The Philosophy of Indian Constitution
			Revision of all
February			Map Work
			Annual Examination

## GEOGRAPHY (Code -029)

Name of the Book		Publisher	
Part B India- Physical Environment		NCERT	
Months		Chapter	
April & May		Part A :Fundamentals of Physical Geography	Unit I :Geography as a Discipline Ch-2 Origin and evolution of the earth Ch-3 Interior of the earth Ch-4 Distribution of oceans and continents
			Part-B Ch- 1 India location
			<b>Map Work</b>
July	PA-I Examination	PART B :India Physical Environment	<b>Book-1</b> Ch-5 Geomorphic process Ch-6 Landfarm and their evolution
			Book-2 Ch- 2 Structure and Physiography
August			Book-2 Ch- 4 Climate
			Ch-5 National vegetation
			Ch-6 National hazards and disasters
September	Half Yearly Examination		Book-1 Ch-7 Composition and structure of atmosphere
			Project Work
October			Ch-8 Solar radiation, heat balance and temperature
			Ch-9 Atmospheric circulations and weather systems
			Ch-10 Water in the atmosphere

November			Ch-11 World climate and climate change(internal only) Ch-12 Water
December	PA-III Examiation		Ch-13 movements of ocean water
			Ch-14 Biodiversity and Conservation
			Project Work- 1.introduction to maps 2. Map scale 3. Latitude, Longitude and time 4. Map projection Ch-5 Topographical maps Ch-6 Introduction to remote sensing
January			Revision of all
February	Annual Examination		