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RADHA GOVIND PUBLIC SCHOOL

Anuyogipuram , Garh Road, Meerut

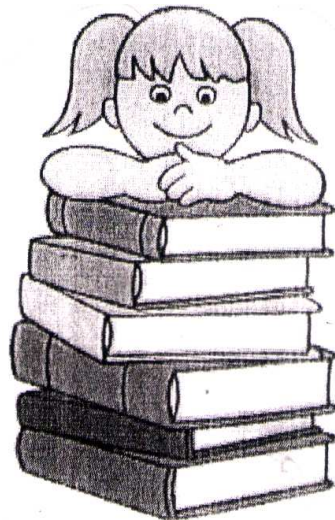
CLASS - XI
SYLLABUS : SESSION 2021-22
CLASS NAME -GARNET

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 2021-22. 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 English (ENG. GRAMAR)		Hornbill: Compacta Basic NCERT Company	BBC
Months		Section	Chapter
May-21	PA-I Examination	Introductory Class Writing: Letter to the editor Grammar : Determiners	HB: Poem : A photograph SS:Ch:The summer of the beautiful white horse
Jun-21		Writing: Notice writing, Article writing Grammar : Tenses	HB:Ch : Portrait of a lady HB:Ch:We're not afraid to die... if we all can die together SS:Ch:The address
July 202 (Working Days 25)	Half Yearly Examination	Writing:Official letter (placing order, registering complaints) Grammar:Modals	HB:poem:Childhood HB:Ch:The Ailing Planet : The Green Movement's Role
August 2021 (Working Days 21)		writing :Speech writing, Classified Advertisement	HB:Ch:Discovering tut:the saga continues HB:Poem:The voice of the rain SS:Ch:Ranga's marriage
September 2021 (Working Days 26)		Grammar: Change of voice	SS:Ch:Albert Einstein at school HB:Poem:The laburnum top
October 2021 (Working Days 23)		Reading:Note making Writing:Letter aking enquiry, Debate writing	SS:Ch:Mother's Day HB:Ch:The Browning version HB:Landscape of the soul
November	PA-III Examination	Writing:Poster Making, Job application Grammar:Clauses	HB:Ch:The Adventure HB:Poem:Father to son
December		Writing:Report writing, Narrative	SS:Ch:Birth SS:The tale of melon city
January			HB:Ch:Silk Road SS:Ch:The ghat of the only world
February	Annual Examination		

HINDI CORE (Code -302)

Name of the Book		Publisher	
आरोह भाग - 1 वितान भाग - 1 अभिव्यक्ति भाग और मध्यम व्याकरण - अ		NCERT Saraswati	
Months	Specification	Section	Chapter
मई	प्रथम आवधिक मूल्यांकन	अपठित	अपठित गद्यांश
		आरोह गद्य खंड	नमक का दरोगा (प्रेमचंद)
		आरोह काव्य खंड	कबीर 1 हम एक एक
		वितान	2 संतो देखत जग बौराना
जनसंचार एवं अभिव्यक्ति		लता मंगेशकर (कुमार गंधर्व) औपचारिक पत्र (दृश्य लेखन)	
जून		अपठित	अपठित पद्यांश
		आरोह गद्य खंड	मियाँ नसीरुद्दीन (कृष्णा सोबती)
		आरोह काव्य खंड	मीरा 1 मेरे तो गिरधर गोपाल 2 पग घुघुरू बाँधे मीरा
	जन संचार एवं अभिव्यक्ति अनौपचारिक पत्र + रिपोर्ट लेखन		
जुलाई	रचनात्मक अभिव्यक्ति		
	आरोह गद्य खंड	गलता लोहा (शेखर जोशी)	
	आरोह काव्य खंड	सुमित्रानंदन पंत (वे आंखे)	
	जनसंचार एवं अभिव्यक्ति अनौपचारिक पत्र	जनसंचार	

अगस्त	अर्द्धवार्षिक परीक्षा	अपठित	अपठित गद्यांश
		आरोह गद्य खंड	स्पीति मे बारिश (कृष्ण नाथ)
		आरोह काव्य खंड	भवानी प्रसाद मिश्र (घर को याद)
		वितान	राजस्थान की रजत बुँदे (अनुपम मिश्र)
सितम्बर		जनसंचार एवं अभियक्ति अनौपचारिक पत्र	जनसंचार
		रचनात्मक गतिविधि	
		आरोह गद्य खंड	जामुन का पेड़ (कुरन चंदर)
		आरोह काव्य खंड	गजल (दुष्यंत कुमार)
अक्तूबर		अपठित	अपठित पद्यांश
		आरोह गद्य खंड	भारत माता (ज. ल. नेहरू)
		आरोह काव्य खंड	आओ मिलकर बचाए (निर्मला पुतुल)
		वितान	आलो आँधारी (बेबी हालदार)
नवंबर	द्वितीय आवधिक मूल्यांकन	जन संचार एवं अभियक्ति	जनसंचार
		रचनात्मक गतिविधि	
		आरोह गद्य खंड	विदाई संभाषण + रजनी
		आरोह काव्य खंड	त्रिलोचन + अक्क महादेवी
दिसम्बर		पुनरावृत्ति अभ्यास कार्य	अवतार सिंह पाश
जनवरी		वार्षिक परीक्षा	

MATHS (Code -041)

Name of the Book		Publisher	
Mathematics Text Book		NCERT	
Months		Chapter	Practicals/ Activities
May-21	PA- I Examination	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
		Ch 3 Trigonometric Functions	3. Distinguish between a relation and a function.
Jun-21			4. To identify a relation and a function.
July 2021 (Working Days 25)	Half Yearly Examination	Ch4 Principle of mathematical Induction.	5. To plot the graph of $\sin x$, $\sin 2x$, $\sin x/2$ using same coordinate axes.
August 2021 (Working Days 21)		Ch 5 Complex Number Ch 6 Linear Inequalities Ch 7 Permutation and Combination	6. To find the values of sine and cosine functions in second, third and fourth quadrant using their given values in I quadrant.
September 2021 (Working Days 26)		Ch 8 Binomial Theorem Ch 9 Sequence and Series	7. To verify the relation between the degree measure and the radian measure of an angle.
October 2021 (Working Days 23)		Ch10 Straight lines Ch 11 Conic Section Ch 12 3-D Geometry	8. To verify distributive law of for three given non-empty sets A, B and C, that is $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$
November 2021 (Working Days 10)	PA-III Examination	Ch 13 Limits and Derivatives Ch 14 Mathematical Reasoning Ch 15 Statistics Ch 16 Probability	
December	Revision		Revision for PA-III Examination
January			Revision
February			Annual Examination

PHYSICS (Code -042)

Name of the Book		Publisher	
PART - I PART - II LAB MANUAL		NCERT Publication	Laxmi
Months		Chapter	Practical & Activity
May 2021 (Working Days 20)	PA-I Examination	Chapter-1: Physical World Chapter-2: Units & Measurements	1A. 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. 2A. 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 2021 (Working Days 10)		Chapter 3: Motion in a Straight Line Chapter 4: Motion in a Plane	3A. To determine the mass of two different objects using a beam balance. 4A. Using a simple pendulum, plot its L-T ² 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.
July 2021 (Working Days 25)	Half Yearly Examination	Chapter 5: Laws of Motion Chapter 6: Work, Energy & Power	5A. 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. 6A. 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.
August 2021 (Working Days 21)		Chapter 7: System of Particles and Rotational Motion Chapter 8: Gravitation	1B. To find the force constant of a helical spring by plotting a graph between load and extension. 2B. To study the variation in volume with pressure for a sample of air at constant temperature by plotting graphs between P and V, and between P and 1/V. Sec B(Activity .1) To note the Change in level of liquid in a container on heating and interpret the observations.
September 2021 (Working Days 26)		Chapter 9: Mechanical Properties of Solids Chapter 10: Mechanical Properties of Fluids	3B. To determine the surface tension of water by capillary rise method. 4B. 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 2021 (Working Days 23)		Chapter 11: Thermal Properties of Matter Chapter 12: Thermodynamics	5B. To study the relation between the length of a given wire and tension for constant frequency using a sonometer. 6B. To find the speed of sound in air at room temperature using a resonance tube by two resonance positions. SecB(Activity-3) To observe the decrease in pressure with increase in velocity of a fluid.

November 2021 (Working Days 10)	PA-III Examination	Chapter 13: Kinetic Theory Chapter 14: Oscillations	
December 2021		Chapter 15: Waves	
January 2022	Annual Examination		

Chemistry (Code -043)

Name of the Book		Publisher	
PART - I II	PART - LAB MANUAL	NCERT Publication	Laxmi
Months		Chapter	Practical
May 2021 (Working Days 20)	PA-I Examination	Ch 1 Some basic concept of Chemistry	Preperation of standard solution of oxalic acid.
		Ch 2 Structure of Atom	Determination of strength of a given solution of sodium hydroxide by titrating it against standard solution of oxalic acid.
		Ch 3 Classification of elements.	
June 2021 (Working Days 10)		Ch 4 Chemical Bonding	Preperation of standard solution of sodium carbonate.
			Determination of strength of a given solution of hydroChloric acid by titrating it against standard sodium carbonate solution.
July 2021 (Working Days 25)		Half Yearly Examination	Ch 5 States of matter
August 2021 (Working Days 21)	Ch 6 Chemical		
	Ch 8 Redox reactions		
	Ch 7 Equilibrium		Crystalllization of impure salt of copper sulphate.
Ch 9 Hydrogen			
September 2021 (Working Days 26)	Ch 10 The s-block		Experiements based on ph
	Ch 11The p-block elements		
October 2021 (Working Days 23)		Ch 12 organic Chemistry	Determination of anion and cation in a given salt.
November 2021 (Working Days 10)	PA-III Examination	Ch 13 Hydrocarbons	Determination of anion and cation in a given salt.
December 2021			Ch 14 Enviromental Chemistry
January 2022	Annual Examination		

Biology (Code -044)

Name of the Book		Publisher	
BIOLOGY TEXT BOOK LAB MANUAL		NCERT Laxmi Publication	
Months		Chapter	Practical
May 2021 (Working Days 20)		Unit -1 Diversity in the living world Ch 1- The living world Ch 2- Biological classification Ch 3- Plant kingdom	

June 2021 (Working Days 10)	PA-I Examination	Ch 4- Animal kingdom	1- Observe the parts of compound microscope
		Unit-2 Structural organization in plants and animals Ch 5- Morphology of flowering plants	
July 2021 (Working Days 25)	PA-I Examination	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	2- Identify the specimens/slides - bacteria, oscillatoria, spirogyra, rhizopus, mushroom, moss, pine, fern and lichens
			3- Identify the specimens/ slides- amoeba, hydra, liver fluke, ascaris, leech, earthworm, prawn, honeybee, starfish, shark, rohu, frog, lizard
August 2021 (Working Days 21)	Half Yearly Examination	Ch 9- Biomolecules Ch 10- Cell cycle and cell division Unit-4 Plant Physiology Ch 11-Transport in plants	4- Test for the presence of sugar, starch, proteins and fats in suitable plants and animal materials
			5- Study of osmosis by potato osmometer
September (working days 26)	Half Yearly Examination		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
October (working days 23)	Half Yearly Examination	Ch 12- Mineral nutrition Mid term Examination	8- Preparation and study of T.S. of dicot and monocot root
		Ch 13- Photosynthesis in higher plants Ch 14- Respiration in plants Ch 15- Plants growth and development Unit-5 Human physiology Ch 16- Digestion and absorption	9- Preparation and study of T.S. dicot and monocot stem
November 2021 (Working Days 10)	PA-III Examination	Ch 17- Breathing and Exchange of gases Ch 18- Body fluids and circulation	10- Separation of plant pigments through paper Chromatography
		Ch 19- Excretory fluids and their elimination Ch 20- Locomotion and coordination Ch 21- Neural control and coordination Ch 22- Chemical coordination and integration	11- Observation of permanent slides of tissues
December 2021	PA-III Examination	Ch 17- Breathing and Exchange of gases Ch 18- Body fluids and circulation	12- Mitosis in onion root tip cells
January 2022		Ch 19- Excretory fluids and their elimination Ch 20- Locomotion and coordination Ch 21- Neural control and coordination Ch 22- Chemical coordination and integration	13 - Study of the rate of respiration in germinating seeds
Feb-22		Revision	14- Different modification in roots, stem and leaves
			15- Human skeleton and different joints with the help of model
		Annual Examination	

Painting (Code -049)

Name of the Book	Publisher	
An Introduction to Indian Art Part I	NCERT	
Months		Chapter
May 2021	P A -I Examination Unit - 1	Unit 1 -1.Pre Historic Rock Painting 2.Art of Indus valley civilization
June 2021		Unit 2: -3.Gupta Period 4.Art of Ajanta
July 2021 Study Days-25	Half yearly Examination Unit - 1,2,3,4	Unit 3: 5.Indian Temple Sculpture 6.Indian Bronze
August 2021 Study Days-21		7.Indo -Islamic Architecture
September 2021 Study Days - 26		Revision:-1.Prehistoric Rock Painting 2.Indus Valley civilization
October 2021 Study Days- 23		Revision:-3.Gupta period 4.Art of Ajanta
November 2021 Study Days - 10	P A -III Examination Unit - 1,2,3,4,5,6,7	Revision:-5.Indian Temple 6.Indian Bronze
December		Revision:-7.Indo islamic Architecture
January		
February	Annual Examination	

Physical Education (Code -048)

Name of the Book	Publisher	
Months		Chapter
May 2021	PA-1 EXAMINATION	Changing Trends and Career in Physical Education
		Olympic Value Education
Jun-21		Physical Fitness and Wellness and lifestyle
July 2021 (Working Days 25)	Half Yearly Examination	Physical Education and Sports for CWSN
		Yoga
		Physical Activity and Leadership Training
August 2021 (Working Days 21)		Test, Measurements and Evaluation
September 2021 (Working Days 26)		Fundamental of Anatomy,Physiology & Kinesiology in sports
October 2021 (Working Days 23)		PsyChology in sports
November 2021 (Working Days 10)	PA-III Examination	Training and Doping in sports
December 2021		Revision
January 2022		Revision
February 2022	Annual Examination	

Hindustani Music Vocal (034)

Name of the Book		Publisher	
Sangeet Manjusha		New Saraswati House	
Months	Chapter		Practical
May 2021	PA-1 EXAMINATION	Unit-1 Brief study of the following, Nada, Shruti, Swar, Saptak, Thaata, Jati, Laya, Tala, Margi-desi	Detail Study of Raga bhairavi
Jun-21		Unit-2 Brief study of the following Dhrupad, Khyal and Tarana, Brief study of various gharanas.	Detail study of Raga bihag
July 2021 (Working Days 25)	Half Yearly Examination	Unit-3 Breif study of the musical elements in natyashastra, Life sketCh and contriution of tansen, V.N. Bhartkhande and V.D. Paluskar	Knowledge of structure of Tanpura
August 2021 (Working Days 21)		Unit-4 Description of prescribed talas with along tala notation with Thah, Dugun and Chaugun.	Detail study of Raga Bhimpalasi
September 2021 (Working Days 26)		Unit-5 Critical study of prescribed ragas along with recognizing raga.from pharese of swara and ellborating them. Writing in notation the composition of prescribed ragas	Detail study of Raga Jaunpuri
October 2021 (Working Days 23)		Detail study of all Ragas and Talas	
November 2021	PA-III Examination	Revision	
December 2021			
January 2022			
Feb-22	Annual Examination		

IP(065)

Name of the Book		Publisher	
Informatics Practices		NCERT	
CBSE		CBSE	
Months	P.A	Section	Chapter
May 2021	P A -I Examination Unit - 1,2	Unit 1: Introduction to Computer System Unit 2: Introduction to Python	Make a powerpoint presentation on "Types of Software"
June 2021		Unit 2: Introduction to Python (Cont.)	Project 1 (Python Programs)
July 2021 Study Days-25	Half yearly Examination Unit - 1,2,3,4	Unit 3: Data Handling using NumPy	Project 2 (NumPy Functions)
August 2021 Study Days-21		Unit 3: Data Handling using NumPy (Cont.)	
September 2021 Study Days - 26		Unit 4: Database concepts and the Structured Query Language	Project 3 (Database query)
October 2021 Study Days- 23		Unit 4: Database concepts and the Structured Query Language (Cont.)	
November 2021 Study Days - 10	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		