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RADHA GOVNID PUBLIC SCHOOL

Anuyogipuram , Garh Road, Meerut

CLASS - XI

SYLLABUS : SESSION 2023-24

CLASS NAME -SCIENCE

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 2023-24. In case it is lost or destroyed a duplicate copy will be available for Rs.30/-.

CLASS :- XI (COMMERCE) SYLLABUS 2023-24

ENGLISH CORE (Code -301)

Name of the Book		Publisher	
SNAPSHOT: Supplimentary Reader Hornbill: Text Book English Compacta Basic English (ENG. GRAMAR)		NCERT Company	BBC
Months		Section	Chapter
April & May	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
		Poster, Writing: Notice writing, Article writing Grammar : Tenses Adv- Situation Vacant	HB:Ch : Portrait of a lady SS:Ch:The address
July	Half Yearly Examination	Writing:Official letter (placing order, registering complaints) Grammar:Modals	HB:poem:Childhood HB: We are not afraid to die HB:Ch:The Ailing Planet : The Green Movement's Role
August		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		Editing	SS:Ch:Albert Einstein at school HB:Poem:The laburnum top
October		Reading:Note making Writing:Letter aking enquiry, Debate writing	SS:Ch:Mother's Day
November	PA-III Examination	Writing:Poster Making, Job application	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
February	Annual Examination		

HINDI CORE (Code -302)

Name of the Book		Publisher	
आरोह भाग - 1 भाग - 1 और मध्यम		वितान अभिव्यक्ति भाग व्याकरण - अ	NCERT Saraswati
Months	Specification	Section	Chapter
अप्रैल व मई	नमक का दरोगा, कबीर लता: मंगेशकर शब्दकोश	अपठित	अपठित गद्यांश
		आरोह गद्य खंड	नमक का दरोगा (प्रेमचंद)
		आरोह काव्य खंड	कबीर 1 हम तौ एक एक
		वितान	
		जनसंचार एवं अभिव्यक्ति	लता मंगेशकर (कुमार गंधर्व) औपचारिक पत्र (दृश्य लेखन)
		अपठित	अपठित पद्यांश
		आरोह गद्य खंड	मियाँ नसीरुद्दीन (कृष्णा सोबती)
		आरोह काव्य खंड	मीरा 1 मेरे तो गिरधर गोपाल
		जन संचार एवं अभिव्यक्ति अनौपचारिक पत्र + रिपोर्ट लेखन	
जुलाई	प्रथम आवधिक मूल्यांकन	रचनात्मक अभिव्यक्ति	
		आरोह गद्य खंड	अपू के साथ (ढाई साल)
		आरोह काव्य खंड	विदाई (संभाषण)
		जनसंचार एव आमयाक्त अनौपचारिक पत्र	जनसंचार

अगस्त		अपठित	अपठित गद्यांश
		आरोह गद्य खंड	गलता लोहा
		आरोह काव्य खंड	भवानी प्रसाद मिश्र (घर को याद)
		वितान	राजस्थान की रजत बुँदे (अनुपम मिश्र)
		जनसंचार एवं अभियक्ति अनीपचारिक पत्र	जनसंचार
सितम्बर	अर्द्धवार्षिक परीक्षा		
अक्तूबर		रचनात्मक गतिविधि	
		आरोह गद्य खंड	जामुन का पेड़ (कृष्ण चंदर)
		आरोह काव्य खंड	गजल (दुष्यंत कुमार)
		जन संचार एवं अभियक्ति	कार्यालयी पत्र
नवंबर	द्वितीय आवधिक मूल्यांकन	रचनात्मक गतिविधि	
		आरोह गद्य खंड	रजनी
		आरोह काव्य खंड	त्रिलोचन + अक्क महादेवी
		जन संचार एवं अभियक्ति	दृश्य + रिपोर्ट लेखन
दिसम्बर	द्वितीय आवधिक मूल्यांकन	अपठित	अपठित पद्यांश
		आरोह गद्य खंड	भारत माता (ज. ल. नेहरू)
		आरोह काव्य खंड	आओ मिलकर बचाए (निर्मला पुतुल)
		वितान	आलो आँधारी (बेबी हालदार)
		जन संचार एवं अभियक्ति	जनसंचार

MATHS (Code- 041)

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.
		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	8. To verify distributive law of for three given non-empty sets A, B and C, that is $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$
		Ch 11 3-D Geometry	
		Ch 13 Statistics	
December	PA-III Examination	Ch 12 Limits and Derivatives Ch 14 Probability	
		January	Revision
February			Revision
			Annual Examination

PHYSICS (Code -042)

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

April	PA-I Examination	Chapter-2: Units & Measurements Chapter 3: 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			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
July	Half Yearly Examination	Chapter 4: Motion in a Plane Chapter 5: Laws of Motion Chapter 6: Work, Energy & Power	3. To determine the mass of two different objects using a beam balance. 4. 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.
August		Chapter 7: System of Particles and Rotational Motion Chapter 8: Gravitation	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		Chapter 9: Mechanical Properties of Solids Chapter 10: 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		Chapter 11: Thermal Properties of Matter Chapter 12: Thermodynamics	6. To observe the decrease in pressure with increase in velocity of a fluid. SecB(Activity2) To note the change label of liquid in a container on heating and interpret the observations.
November	PA-III Examination	Chapter 13: Kinetic Theory Chapter 14: Oscillations	
December		Chapter 15: Waves	
January	Annual Examination		

Chemistry (Code -043)

Name of the Book		Publisher	
PART - I II	PART - LAB MANUAL	NCERT Laxmi Publication	
Months		Chapter	Practical
April & May		Ch 1 Some basic concept of Chemistry	Preparation of standard solution of oxalic acid, basic laboratory techniques Determination of strength of a given solution of sodium hydroxide by titrating it against standard solution of oxalic acid.
		Ch 2 Structure of Atom	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	PA- I Examination		
August & September		Ch 3 Classification of elements.	Crystallization of impure sample of alum Determination of anion and cation in a given salt.
		Ch 4 Chemical Bonding	
October	Half Yearly Examination	Ch 5 Chemical thermodynamics	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.

December	PA-II Examination	Ch 9 Hydrocarbons	Determination of anion and cation in a given salt.
January	Revision		
February	Annual Examination		
Biology (Code -044)			
Name of the Book		Publisher	
BIOLOGY TEXT BOOK MANUAL	LAB	NCERT Laxmi Publication	
Months		Chapter	Practical
April & May	PA-I Examination	Unit -1 Diversity in the living world Ch 1- The living world Ch 2- Biological classification Ch 3- Plant kingdom	
June		Ch 4- Animal kingdom Unit-2 Structural organization in plants and animals Ch 5- Morphology of flowering plants	1- Observe the parts of compound microscope 2- Identify the specimens/slides - bacteria, oscillatoria, spirogyra, rhizopus, mushroom, moss, pine, fern and lichen
July	Half Yearly 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	3- Identify the specimens/ slides- amoeba, hydra, liver fluke, ascaris, leech, earthworm, prawn, honeybee, starfish, shark, rohu, frog, lizard
August			4- Test for the presence of sugar, starch, proteins and fats in suitable plants and animal materials
		Ch 9- Biomolecules Ch 10- Cell cycle and cell division Unit-4 Plant Physiology	
			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		8- Preparation and study of T.S. of dicot and monocot root	
		Mid term Examination	
October	PA-III Examination	Ch 13- Photosynthesis in higher plants Ch 14- Respiration in plants Ch 15- Plants growth and development Unit-5 Human physiology	9- Preparation and study of T.S. dicot and monocot stem
			10- Separation of plant pigments through paper Chromatography
			11- Observation of permanent slides of tissues
November		Ch 17- Breathing and Exchange of gases Ch 18- Body fluids and circulation	12- Mitosis in onion root tip cells
		Ch 19- Excretory fluids and their elimination	

December		Ch 20- Locomotion and movement Ch 21- Neural control and coordination Ch 22- Chemical coordination and integration	13 - Study of the rate of respiration in germinating seeds
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	
Months		Chapter	Practicals/ Activities
April & May	P A -I Examination Unit - 1	Unit 1 -1.Pre Historic Rock Painting 2.Art of Indus valley civilization	Landscape
June		Unit 2: -3.Gupta Period 4.Art of Ajanta	Still life Object Landscape
July	Half yearly Examination Unit - 1,2,3,4	Unit 3: 5.Indian Temple Sculpture 6.Indian Bronze	Landscape Composition (Dancing)
August		7.Indo -Islamic Architecture	Composition (working)
September		Revision:-1.Prehistoric Rock Painting 2.Indus Valley civilization	Landscape
October		Revision:-3.Gupta period 4.Art of Ajanta	Composition(worship)
November	P A -III Examination Unit - 1,2,3,4,5,6,7	Revision:-5.Indian Temple 6.Indian Bronze	Still life object
December		Revision:-7.Indo islamic Architecture	
January			Revision
February	Annual Examination		

Physical Education (Code -048)

Name of the Book		Publisher	
Physical & Healthy Education		NB	
Months		Chapter	Practical
April & May		Changing Trends and Career in Physical Education	Athletics
		olympism	
June	PA-1 EXAMINATION	Yoga	Yoga
July & August		Physical Education and Sports for CWSN	Badminton
		Physical fitness, health and wellness	
		test measurement & Evaluation	
September	Half Yearly Examination	Fundamental of Anatomy,Physiology	Sai Khelo India Test, Flamingo Test
October		Fundamental of Kinesiology & Biomchanics in sports	Kho-Kho
November		PsyChology in 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	
Sangeet Manjusha		New Saraswati House	
Months		Chapter	Practical

April & May		Unit-1 Brief study of the following, Nada, Shruti, Swar, Saptak, Thaata, Jati, Raag, Khyal and Tarana, Teen Taal	भैरवी, मीम पलासी, मार्गी, देशी संगीत
July	PA-1 EXAMINATION	Unit-2 Brief study of the following Dhrupad, Brief study of various gharanas, Laya, Tala, Margi-desi	
August		Unit-3 Brief study of the musical elements in natyashastra, Life sketch and contribution of Tansen, V.N. Bhartkhande and V.D. Paluskar	चार ताल, एक ताल, Knowledge of structure of Tanpura
September	Half Yearly Examination	Unit-4 Description of prescribed talas with along tala notation with Thah, Dugun and Chaugun.	
October		Unit-5 Critical study of prescribed ragas along with recognizing raga from pharese of swara and elaborating them. Writing in notation the composition of prescribed ragas	लय, ताल
November		Detail study of all Ragas and Talas	
December	PA-III Examination	Revision	
January			
February	Annual Examination		

IP(065)

Name of the Book		Publisher	
Informatics Practices		NCERT	
Months		P.A	
		Section	
		Chapter	
April & May	P A -I Examination Unit - 1,2	Unit 1: Introduction to Computer System	Make a powerpoint presentation on "Types of Software"
		Unit 2: Introduction to Python	
July	Half yearly Examination Unit - 1,2,3,4	Unit 2: Introduction to Python (Cont.)	Project 1 (Python Programs)
August		Unit 3: Data Handling using NumPy	Project 2 (NumPy Functions)
September		Unit 3: Data Handling using NumPy (Cont.)	
October		Unit 4: Database concepts and the Structured Query Language	Project 3 (Database query)
November	P A -III Examination Unit - 1,2,3,4,5	Unit 4: Database concepts and the Structured Query Language (Cont.)	
December		Unit 5: Introduction to the Emerging Trends	Create a Powerpoint Presentation on "Emerging Trends"
January		Unit 5: Introduction to the Emerging Trends (Cont.)	
February	Annual Examination		
			Revision