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RADHA GOVIND PUBLIC SCHOOL

Anuyogipuram , Garh Road, Meerut

CLASS - XI

SYLLABUS : SESSION 2024-25

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 2024-25. In case it is lost or destroyed a duplicate copy will be available for Rs.30/-.

CLASS :- XI (COMMERCE) SYLLABUS 2024-25

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		Reading writing skills	Revision
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
जुलाई		जन संचार एवं अभिव्यक्ति अनौपचारिक पत्र + रिपोर्ट लेखन	
		रचनात्मक अभिव्यक्ति	
		आरोह गद्य खंड	अप्यु के साथ (ढाई साल)
		आरोह काव्य खंड	विदाई (संभाषण)

	प्रथम आवधिक मूल्यांकन	जनसंचार एवं अभियक्ति अनीपचारिक 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 (कृन् 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 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	PART - LAB MANUAL	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	P.A-I Examination		
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 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		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 PART - II 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 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	PA- I Examination		
August & September	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.
October		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	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
			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 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

			8- Preparation and study of T.S. of dicot and monocot root	
September		Mid term Examination		
October		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 plants pigments through paper Chromatography	
			11- Observation of permanent slides of tissues	
November	PA-III Examination	Ch 17- Breathing and ExChange of gases Ch 18- Body fluids and circulation	12- Mitosis in onion root tip cells	
December		Ch 19- Excretory fluids and their elimination Ch 20- Locomotion and movement Ch 21- Neural control and cordination 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/Panoramic	
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 & Biomachanics 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 Breif study of the musical elements in natyashastra, Life sketCh and contriution 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 ellborating 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	
CBSE			
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.)	
		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 Central problem of an economy Ch- 1 Concept of Economics & Significance of statistics Ch- 2 Collection of data Ch- 3 Organisation of data
July (23 Days)	P A -I Examination Ch- 1,2 of Micro and Ch- 1, 2 of Statistics		Micro- Ch- 3 Consumer's Equilibrium Theory of Demand Ch- 4 Presentation of data Presentation of data
August (22 Days)			Micro- Ch- 5 Price elasticity of demand Production function and returns to a factor Ch- 6 Statistics- Ch- 6 Frequency diagram
September (23 Days)	Half yearly Examination Ch- 1,2,3,4 ,5 & 6 of Micro and Ch- 1,2,3,4&5 of Statistics		Revision
October (22 Days)			Micro- Ch- 7 Concepts of cost Concepts of revenue Producer's Equilibrium Ch- 8 ch-9 Statistics- Ch- 8 Measure of central tendency - Median and Mode
November (20 Days)	PA -III Examination Ch- 7,8,9 Of micro and Median and mode		Micro- Ch-10 Theory of supply Forms of market Ch-11 Ch-9 Correlation Statistics- Ch-10 Index Number
December (24 Days)			Micro Ch- 12 Market equilibrium under perfect competition and effects of shifts in demand and supply
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, Forms of Business Organisations Ch-2
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 Social Responsibility of business and business ethics Ch-6
September (23 Days)	Half yearly Examination Ch- 1, 2, 3, 4 & 5		Revision

October (22 Days)			Ch- 7 Sources of business finance, Small business and Enterprises	Ch-8
November (20 Days)			Ch- 9 Internal trade, International Trade	Ch-10
December (24 Days)	PA -III Examination Ch- 6,7 & 8			
January (20 Days)			Revision	
February (24 Days)		Annual Examination		

Accountancy (Code -055)

Name of the Book		Publisher	
Financial Accounting Part I & II		DK Goel + 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

October (22 Days)			Ch 18 : Bills of Exchange Ch 19 : Rectification of Errors Ch 20 : Capital and Revenue	
November (20 Days)	PA -III Examination Unit - 1,2,3,4,5,		Ch 21 : Financial Statements Ch : 22 Financial Statements - With Adjustments	
December (24 Days)				
January (20 Days)			Revision	
February (24 Days)	Annual Examination			