

RAJA RAMMOHAN ROY ACADEMY
SYLLABUS 2017-2018

CLASS VI

ENGLISH LANGUAGE	ENGLISH LITERATURE	HISTORY
FIRST TERM EXAM	FIRST TERM EXAM	FIRST EXAM
Articles Tenses Use of Auxiliaries The Adjectives The Adverb Informal letter Composition Comprehension	PROSE Down the Rabbit Hole The Starting Point Wild Duck Tabby's Table cloth Brown Wolf POETRY Her Head The Lotus After Storm	History Ch – River Valley Civilization Ch – The Vedic Civilization Ch – Mahavira & Buddha Civics Rural Local Self Government
GEOGRAPHY	MATHS	SANSKRIT
FIRST TERM	FIRST TERM EXAM	
Chapter 1 – Map Reading Chapter 2 – Diagrammatic Representation Chapter 7 – North America Chapter 5 – Agriculture Map – North America	Number system Estimation Numbers in India and International System Place value Natural number and whole number Negative numbers and Integers Number line HCF and LCM Sets Ratio Proportion (Including word problem) Fundamental operation related to Algebraic expression	स्तुतिः, संज्ञा शब्दाः पुल्लिङ्ग, संज्ञा शब्दाः स्त्रीलिङ्ग, संज्ञा शब्दाः नपुंसक लिङ्ग, संज्ञा शब्दाः वचनानि, सर्वनाम पुरुषाः च, सर्वनाम शब्दाः प्रथम पुरुष, सर्वनाम शब्दाः उत्तम पुरुष, व्याकरणः प्रत्यय (लट्लकार) धातु रूप– पठ्, भू (भव्)– लट् लकार, शब्द रूप–'बालक' (पृष्ठ 45)
COMPUTER	GENERAL SCIENCE	HINDI (FIRST TERM EXAM)
FIRST TERM EXAM	FIRST TERM (GENERAL SCIENCE)	
Computer Language More on Windows 7 Using Mail merge Microsoft Power Point 2007 Animating text and object	Measurement Force, Energy and work Pure and Mixed Substances Changes around us Life of Earth Structure and Function of Plant Part	प्रथम सत्र हिन्दी साहित्य – जन्मदिन के बहाने, स्वामी की दादी, इतने ऊँचे, उठो बहादुर बालक, हमें गोली से उड़ाया जाये, आकाश में अकेले। हिन्दी भाषा – निबन्ध लेखन, पत्र लेखन (औपचारिक/अनौपचारिक), अपठित गद्यांश। हिन्दी व्याकरण – विलोम शब्द (1 से 50) पृष्ठ 65, वाक्यांश के लिए एक शब्द (1 से 25) पृष्ठ 74–75, पर्यायवाची शब्द (1 से 25) पृष्ठ 80–81, संज्ञा – भाववाचक संज्ञा पृष्ठ 101–102, लिङ्ग पृष्ठ 107–109, वचन पृष्ठ 114–116, सर्वनाम, मुहावरे (1 –26) पृष्ठ 191–193, भिन्नार्थक (1–19) पृष्ठ 86–88, कारक, उपसर्ग पृष्ठ 44, प्रत्यय पृष्ठ 47–48, अशुद्ध–शुद्ध शब्द।
SANSKRIT (FIRST TERM EXAMINATION)		
स्तुतिः, संज्ञा शब्दाः पुल्लिङ्ग, संज्ञा शब्दाः स्त्रीलिङ्ग, संज्ञा शब्दाः नपुंसक लिङ्ग, संज्ञा शब्दाः वचनानि, सर्वनाम पुरुषाः च, सर्वनाम शब्दाः प्रथम पुरुष, सर्वनाम शब्दाः उत्तम पुरुष, व्याकरणः प्रत्यय (लट्लकार) धातु रूप– पठ्, भू (भव्)– लट् लकार, शब्द रूप–'बालक' (पृष्ठ 45)		

**RAJA RAMMOHAN ROY ACADEMY
SYLLABUS 2017-2018 (CLASS VII)**

ENGLISH LANGUAGE	ENGLISH LITERATURE	HISTORY
FIRST TERM EXAM	FIRST TERM EXAM	FIRST TERM EXAM
Informal letter Narrative composition The Sentence The Noun The Pronoun The adjectives and comparison of adjectives The Adverbs The Active and Passive voice The Tenses Formal letter Picture composition Unseen passage	PROSE The Master Artist A Secret for Two Maggie Cuts Her Hair The Whale Story The Meeting Point POETRY Madhobi, The Young Spring Flower Upon Westminster Bridge Friends and Flatterers A Narrow Fellow in the Grass	HISTORY Ch – Rise & Spread of Christianity Ch – Rise & Spread of Islam Ch – The Delhi Sultanate – I Ch – The Delhi Sultanate – II CIVICS The Constitution of India
GEOGRAPHY	MATHS	PHYSICS
FIRST TERM EXAM	FIRST TERM EXAM	(FIRST TERM EXAM)
Chapter 1 – Representation of Geographical Features Chapter 2 – Atmosphere Chapter 7 – Europe Chapter 10 – Antarctica Chapter 6 – Energy and Power resources Map – Europe	Integers Rational numbers Fractions Decimal fractions Fundamental concepts of Algebra Simple linear equations Lines and angles Triangles Exponents Ratio and proportion Symmetry Speed distance and Time	Physical Quantities and Measurement Motion Energy
BIOLOGY	CHEMISTRY	HINDI
FIRST TERM	FIRST TERM	FIRST TERM EXAM
Plant and Animal tissues Classification of Plants Classification of Animals Photosynthesis and Respiration	Chapter 1 Matter and its compound Chapter 2 Physical and Chemical Changes Chapter 3 Elements compounds and Mixtures Chapter 4 Language of Chemistry	घर की वापसी, राजा, सुभद्राकुमारीचौहान, अदृश्य हाथ, समुद्र की लहरोंपर झूलता भविष्य, अतिथिदेवोभव, विलोम शब्द (1-50) पृ० 47-48, अनेक शब्दों के लिये एक शब्द 1-35 पृ० 54-55, अपुद्ध-पुद्ध शब्द (1-50) पृ० 158-159, पर्यायवाची शब्द (1-25) पृ० 57-58, भाववाचकसंज्ञा पृ० 70-71, भिन्नार्थक शब्द पृ० 60-62, लिंग पृ० 77-79, वचन पृ० 83-85, मुहाबरे (1-50) पृ० 167-170, कारक, सर्वनाम, उपसर्ग, प्रत्यय, अपठितगद्यांश, पत्र लेखन, निबन्ध लेखन।
SANSKRIT	COMPUTER SCIENCE	
FIRST TERM EXAM	FIRST TERM	
पाठ – स्तुतिः, सुप्रभातम्, लोभी कुक्कुरः, मम विद्यालयः, काकस्य चातुर्यम्, नीतिश्लोकाः, कच्छपः शशकः च व्याकरण – 'बालिका' शब्द रूप एवं 'फल' शब्द रूप प्रत्यय – लृट् लकार धातु रूप – पठ्, वद्, भू, (भव) – लृट् लकार पृष्ठ 22	NUMBER SYSTEM WINDOWS 7 FORMULAS AND FUNCTION USING EXCEL AS DATABASE ADVANCE FEATURE OF EXCEL	

RAJA RAMMOHAN ROY ACADEMY
SYLLABUS 2017-2018 (VIII)

ENGLISH LANGUAGE	ENGLISH LITERATURE	HISTORY
FIRST TERM EXAM	FIRST TERM EXAM	FIRST TERM EXAM
Active to Passive More about Sentences The Order of words in a sentence Agreement of the verb with the subject Some common phrases Change the narration (Direct to Indirect) Affirmative and interrogative Prepositions & words followed by prepositions Argumentative compositions Picture composition	PROSE Anne Bakes a Cake Saving the Gharial Gogol's First Day The Last Class The Narayanpur Incident Can Animals Reason ? POETRY In the Bazaars of Hyderabad The Lost dances of the Cranes Upfolding Bud	Ch – The Harappan Civilization Ch – Early Vedic Civilization Ch – Our Constitution & its Features Ch – Fundamental Rights & Duties Ch – Later Vedic Age Ch – Jainism & Buddhism Ch – Mauryan Empire
GEOGRAPHY	MATHS	COMPUTER SCINCE
FIRST TERM EXAM	FIRST TERM EXAM	FIRST TERM
Chapter 1 – Representational of Geographical features Chapter 2 – Population Dynamics Chapter 3 – Migration Chapter 6 – Asia – The Largest Continent Chapter 7 – Asia – Climate, Natural Vegetation and Wildlife Map - Asia	Rational Numbers Exponents (Powers) Square and Square Roots Cubes and Cube Roots Sets Percent and Percentage Direct and Inverse variations Profit , Loss and Discount Interest (Simple and Compound) Linear equations in one variable with problems based on Linear equations	MOVING AHEAD WITH COMPUTER SYSTEM ADVANCE FEATURES OF MS WORD MORE FEATURES OF SPREADSHEET WORKING WITH MULTIMEDIA PRESENTATION : MS POWERPOINT COMMUNICATION SYSTEM AND COMPUTER NETWORKS
CHEMISTRY	PHYSICS	BIOLOGY
FIRST TERM EXAM	FIRST TERM EXAM	FIRST TERM EXAM
Chapter 1 Matter Chapter 2 Physical & Chemical Changes Chapter 3 Element, Compounds & Mixtures Chapter 5 Language of Chemistry (Half) Chapter 4 Atomic Structure (full)	Matter Physical Quantities and Measurement Force and Pressure Energy	Transport in Plants Reproduction in Plants Reproduction in Animals Ecosystems Endocrine System and Adolescence
SANSKRIT	HINDI	
FIRST TERM	FIRST TERM EXAM	
पाठः स्तुतिः, शशकस्य चातुर्यम्, स्वामी विवेकानन्दः, गीताऽमृतम्, असत्यस्य परिणामः, एकलव्यस्य गुरुभक्तिः । व्याकरण : प्रत्यय – (लृट् एवं लोट् लकार) पृ० 52, धातु रूप – दा, भू (लृट् एवं लोट् लकार) पृ० 69-71 क्रिया विशेषण – पृ० 25 अव्यय – पृ० 34	साहित्य तीसरी लड़की, मित्र हो तो ऐसा , स्वर्ग बना सकते हैं , हमारे पड़ोसी ,तो खुल जायेगा सारा भेद ,चणना हिन्दी भाषा : निबन्ध-लेखन, पत्र-लेखन (औपचारिक एवं अनौपचारिक), अपठित गद्यांश । हिन्दी व्यावहारिक व्याकरण : विलोम शब्द (1-40) पृ० 61-62, वाक्यांश के लिए एक शब्द (1-25) पृ० 67-68, अशुद्ध-शुद्ध शब्द (1-35), पृ० 192-193, पर्यायवाची शब्द (1-25) पृ० 71-72, भिन्नार्थक शब्द पृ० 76-77, संज्ञा-भाववाचक संज्ञा पृ० 85-87, लिंग पृ० 90-95, वचन पृ० 96-101,कारक, सर्वनाम, उपसर्ग, प्रत्यय, मुहावरे (1-40) पृ० 197-200.	

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CLASS IX

ENGLISH LANGUAGE	ENGLISH LITERATURE	HISTORY
FIRST TERM EXAM	FIRST TERM EXAM	FIRST TERM EXAM
Essays : Narrative, Descriptive Argumentative, Reflective, Critical, Factual, Imaginative Story, Picture composition Letter writing : Formal & Informal Comprehension passage Precise Writing Language skills Part IV Common Errors, Confusing words, Proverbs, Idioms, Phrasal Verbs, Homonyms, Antonyms, Synonyms	A Horse and two Goats The Heart of the Tree The Bangle Sellers A Face in the Dark Hearts and Hands Cold Within The Merchant of Venice Act I Sc i,ii and Sc iii Old Man at the Bridge	Ch – 1 st War of Independence Factors of Nationalism Early Nationalists National Movement Second Phase Civics The Union Parliament The Union Executive
GEOGRAPHY	MATHS	PHYSICS
FIRST TERM EXAM	FIRST TERM EXAM	FIRST TERM EXAM
Chapter 1 – The Earth as a Planet Chapter 2 – Geographic Grid Chapter 3 – Motion of the Earth (Rotation and Revolution) Chapter 4 – Structure of Earth Chapter 5 – Land forms of Earth Chapter 6 – Rocks Chapter 7 – Volcanoes Chapter 8 – Earthquake Chapter 9 – Weathering and Denudation Map India	Rational & Irrational Numbers Compound Interest Expansions Factorization Simultaneous Linear Equations Problems on Simultaneous Linear equation Indices Logarithms Triangles Mid Point Theorem	Measurement and Experimentation Motion in One Dimension Laws of Motion Heat and Energy Reflection of Light
CHEMISTRY (FIRST TERM EXAM)	BIOLOGY (FIRST TERM EXAM)	HINDI (FIRST TERM)
Chapter 1 – The Language of Chemistry Chapter 2 – Chemical changes and Reactions Chapter 3 – Water Chapter 4 – Atomic Structure & Chemical Bonding Chapter 6 – Study of First Element Hydrogen	Cell, Tissues The Flower, Pollination and Fertilization, Seeds Respiration Five Kingdom Classification Economic Importance of Bacteria and Fungi Nutrition Digestive System	पाठ – बात अट्नी की , काकी, महायज्ञ का पुरस्कार, नेता जी का चश्मा, साखी , गिरधर की कुण्डलियाँ , यक जन्म भूमि मेरी, स्वर्ग बना सकते हो। उपन्यास– अध्याय 1 से 8 तक हिन्दी व्याकरण निबंध, पत्र लेखन , कहानी लेखन अपठित गद्यांश, विशेषण विलोम शब्द भाववाचक , मुहावरे, अनेक शब्दों के लिए एक शब्द , निर्देशानुसार वाक्य परिवर्तन, पर्यायवाची अशुद्ध-शुद्ध शब्द, वाच्य ।
PHYSICAL EDUCATION		
FIRST TERM EXAM		
Basic Organization Movement and Support Respiration, Circulation Volleyball, Cricket, Football, Basketball, Badminton		

HOME SCIENCE		
FIRST TERM		
<p>Concept and Scope of Home science Introduction to the five streams Significance of the study of Home Science in day to day life Career options in Home Science. Food and Health Food Preparation (Method of cooking) Purpose of cooking food Effect of cooking on food Methods of cooking food Basic suggestion and precautions for cooking Nutrients and their functions Functions of Nutrients Sources of food Deficiency diseases Women and child care Understanding the role of women and child in the family Empowering women Child welfare Growth and development of children Principle of development Milestone of development Physical development Gas, Electricity and water Conservation tips Advantage of LPG How to make your cooking gas last longer. Role of play and play school for the young child</p>		
<p>COMPUTER APPLN. First Term Exam Chapter 1 Operating system : Command User Interface, Functions of Operating, System, Single User and Multi user Operating System, Booting and its types, MS, DOS files Chapter 2 & 5 Graphic User Interface : Windows and Features of Windows, Components of Desktop, Creating a folder, Renaming, removing a folder, copy and moving a folder. Computing and Ethics. First Term Exam Chapter 14. General Concept of OOP : Features of Object Oriented Programming : Features of Object Oriented Programming, Basic Elements of OOP, Objects, classes, Attribute, Encapsulations, Inheritance and Polymorphism, Commonly used Shortcut Keys in Ms-Word . Chapter 15 History and Development of Java : Basic features of Java, Compiler and Interpreter, Byte code & JVM, Java Libraries in JDK, Java reserve Chapter 16 Character set of Java : Java Character set , Java Tokens, Types of Tokens, Data Types in Java, Variables & Constants, Primitive Data types (Atomic data types), Simple structure of java program and simple java programming,</p>		

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CLASS X

ENGLISH LANGUAGE	ENGLISH LITERATURE	HISTORY
FIRST TERM EXAM	FIRST TERM EXAM	FIRST TERM EXAM
Syllabus done in class IX and proverbs, Maxims, Quotations as the topics of composition, story writing, sequence of tenses, conditional clauses, comprehension, Prepositions (complex only), world followed by the Prepositions, letter (Formal & Informal) word formation, Narrative composition, phrasal verbs, Reconstruction of sentences, Reflective composition, change the voice. Difference in meanings (between/Among) homonyms, homophones and their usage	Syllabus done in class IX and Kabuliwala Journey by Night My Lost Dollar Small Pain in My Chest If Thou Must Love Me I Believe A Psalm of Life The Merchant of Venice Act III Sc ii to Act IV Sc ii	Subhash Chandra Bose Independence & Partition First World War Rise of Dictatorship Second World War United Nations, Major Agencies of UN The Non-Aligned CIVICS The State Judiciary The Subordinate Court Union Parliament
GEOGRAPHY	MATHS	CHEMISTRY
FIRST TERM EXAM	FIRST TERM EXAM	FIRST TERM EXAM
Chapter 1 – Toposheet and Map of India Chapter 2 – Climate of India Chapter 3 – Soils in India Chapter 4 – Natural Vegetation of India Chapter 5 – Water Resources Chapter 6 – Minerals and Energy Resources Chapter 7 – Manufacturing Industries – Agro and mineral based Industries	VAT Banking Shares & Dividends Linear Inequations Quadratic Equations Ratio & Proportion Matrices Factorization A.P. & G.P. Reflection Section Formula Equation of Straight line	Chapter 1 -Periodic Table & Periodic Properties Chapter 2- Chemical Bonding Chapter 3 -Acids, Bases and Salts (3 A) Analytical Chemistry (3 B) Chapter 4- Mole Concept Chapter 5 -Electrolysis Chapter 8 -Organic Chemistry
BIOLOGY	PHYSICS	
FIRST TERM EXAM	FIRST TERM EXAM	
Cell Division, Genetics Absorption by roots Transpiration Photosynthesis The Circulatory system The Excretory System	Force Work, Energy and Power Machines Refraction of Light at Plane Surfaces Refraction through a Lens Spectrum Sound Current Electricity	

HOME SCIENCE	COMPUTER APPLICATION
<p>FIRST TERM EXAM</p> <p>Colour, Fabrics for furnishing Colour and its application Dimension of colour Colour schemes Fabrics (Types)</p> <p>Lighting in the house, space, organization in the kitchen Type of lighting Choice of adequate lighting for different rooms. Types of kitchen Work centres</p> <p>Budgeting and saving, fundamentals of banking Importance of Budgeting and saving Role of Budgeting Different type of Bank accounts Cheque</p> <p>Milestones of development, Physical Growth and development Difference between growth & development Stages of Development. Factors affecting Physical Development of a child. Development Task, Role of Endocrine gland, Body change during Adolescence</p> <p>Personal Hygiene, Emotional and Behavioural concerns Elements of personal Hygiene Adolescence Body Odour. Adolescent Emotional problems Eating disorders</p>	<p>FIRST TERM</p> <p>(Chapter 1 to 6 and 11, 12 13)</p> <p>Chapter 11: Functions : Parts of functions; types of functions (pure and impure), function call, functions with parameters and functions without parameters. Java programming based on functions.</p> <p>Chapter 11 Function: Function signature(Prototype), returning from function, formal and actual arguments, call-by-value (Pass by value) and call-by-reference (pass by reference), Java programming based on functions and function over loading(Polymorphism)</p> <p>Chapter 12:Classes and Objects : Need for classes, classes as user defined data types, defining a class, creating a class, contents of a class, new operator, this keyword, declaring objects, programming based on classes and objects.</p> <p>Chapter 13: Constructor of a Class : Defining constructor, Types of constructors parameterized constructor, default constructor.</p>
<p>HINDI</p>	
<p>FIRST TERM EXAM</p> <p>पाठ— बात अट्नी की, काकी महायज्ञा का पुरस्कार , नेता जी का चश्मा अपना अपना भाग्य, बड़े घर की बेटी, सन्देह, जामुन का पेड़ भेडे और भेडीए, दो कलाकार</p> <p>कविताएँ— साखी कुण्डलियाँ, स्वर्ग बना सकते हैं।, वह जन्म भूमि मेरी मेघ आये सूर के पद, विनय के पद, भिक्षुक, चलना हमारा काम है मात्र मन्दिर की ओर</p> <p>उपन्यास — नया रास्ता (अध्याय 1–26) हिन्दी</p> <p>व्याकरण — निबंध, पत्र लेखन , कहानी लेखन अपठित गद्यांश, विशेषण विलोम शब्द भाववाचक , मुहावरे, अनेक शब्दों के लिए एक शब्द , निर्देशानुसार वाक्य परिवर्तन, पर्यायवाची अशुद्ध—शुद्ध शब्द, वाच्य ।</p>	

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CLASS XI

ENGLISH LANGUAGE	ENGLISH LITERATURE	HISTORY
FIRST TERM EXAM	FIRST TERM EXAM	FIRST TERM EXAM
Composition : Narration, Argumentative, Descriptive, story writing. Directed writing : Book Review, Film Review, Article Writing. Transformations, Prepositions, tenses	Stories : Savlatore, Fritz, Quality Poem : John Browth, The Spider and the Fly, We are the Music Makers Drama : Tempest Act I sc i & ii	Growth of Nationalism Emergence of Colonial Economy Economic, Social & Cultural Impact of the British Rule Urbanization, Growth of Working class 1 st World War
MATHS	CHEMISTRY	PHYSICAL EDUCATION
FIRST TERM EXAM	FIRST TERM EXAM	FIRST TERM EXAM
Angles and Arc lengths Compound and Multiple Angles Mathematical Induction Complex Numbers Quadratic Equations Permutations and Combinations Binomial Theorem	Chapter 2 – Structure of Atom Chapter 3 – Classification of Elements and Periodicity in Properties Chapter 8 – Redox Reactions Chapter 9 – Coordination Chemistry (Class XII) Chapter 10 & 11 – s,p block elements Chapter 12- Organic Chemistry : Some Basic Principles and Techniques Name Reactions of Chapter Hydro Carbon	Individual Aspects and Group Dynamics Effects of Physical Exercise on human body system Nutrition, Weight Control and Exercise Concepts of physical Education Volley ball, Badminton, Football, Basketball, Cricket
BIOLOGY	HINDI	ACCOUNTS
FIRST TERM EXAM	FIRST TERM	FIRST TERM EXAM
Biological classification Kingdom Monera Kingdom Protista Kingdom Fungi Kingdom Plantae Angiosperms and Gymnosperms Morphology of flower	गद्यसंकलन – पुत्र प्रेम, गौरी शरणागत, सती । काव्य मंजरी – साखी , कबीर दास, बाललीला सूरदास, एक फूल की चाह, आ: धरती कितना देती है । आषाढ का एक दिन – अंक एक हिन्दी भाषा – निबंध लेखन अपठित गद्यांश, मुहावरे वाक्य शुद्धिकरण ।	Introduction to Accounting Basic Accounting Terms Generally Accepted Accounting Principles (GAAP) Accounting Standards and IFRS Basic of Accounting Accounting Equation Accounting Cycle : Journal Accounting Cycle : Ledger Accounting Cycle : Trial Balance Sub – Division of Journal : Cash Book Petty cash book Sub-Division of Journal : Special Purpose Subsidiary Books Bank Reconciliation Statement

ECONOMICS	HOME SCIENCE	COMMERCE
FIRST TERM EXAM	FIRST TERM EXAM	FIRST TERM
Chapter 1 – Definition of Economics Chapter 2 – Basic concepts of Economics Chapter 3 – Basic problems of an economy Chapter 4 – Types of Economies Chapter 5 – Solutions to basic economic problems under different economic system Chapter 6 – The State of the Indian Economy on the eve of Independence Chapter 7 – Economic Growth & Development Chapter 18 – Collection, Organization and Presentation of Data Chapter 19 – Measure of Central value (Till Median)	Concept and scope of Home Science Introduction to the five stream of Home Science Importance and relevance of the study of Home Science; Career options in Home science; Health Food and Nutrition, Food groups A review of the relationship between food and elementary study of macro and micro nutrients; classification of food. Digestion Absorption of Nutrients Basal Metabolic Rate; Factors affecting B.M.R.; Enzymes; General characteristics of enzymes. Malnutrition Types of malnutrition; Problem related to under nutrition and over nutrition; Indication of malnutrients. Resource Management Meaning and type of resources; steps of management; Meal planning; Diet	Unit 1 – Nature and purpose of business Unit 2 – Forms of business organizations Unit 3 – Social responsibility of business and business ethics Unit 4 – Emerging mode of business Unit 5 – Stock exchange Unit 6 – Inland trade Unit 7 – Foreign trade Unit 8 – Insurance
PHYSICS	COMPUTER SCIENCE	
FIRST TERM	FIRST TERM	
Units Errors Analysis Significant figures Dimensional Analysis Motion in a Plane – Vectors Projectile motion Friction Uniform circular motion Centre of Mass	Number System: Decimal, Binary Octal and Hexa-Decimal, Inter conversion between (Binary, Octal, Decimal and Hexa-Decimal no, systems), Binary addition, subtraction and multiplication, addition of Octal numbers and Hexa-Decimal numbers; Propositional Logics, Propositional Logical Operators (AND,OR,IF-THEN and IF and ONLY IF, negation), Laws of Propositional Logics, Truth Tables and Proving Propositional laws using truth table. Boolean Algebra , Basic law of Boolean Algebra, Basic Gates (AND,OR and NOT), Universal gates (NAND and NOR), XOR and XNOR, NAND and NOR as universal gates, Simulate the function of basic gates using universal gates, NAND TO NAND Logic and NOR TO NOR Logic; Introduction to Java, Character set, Tokens, Data types Java Programming :- Operators, constants, variables and simple Java programming, Review of Java Programming from class X Operators in JAVA Types of Operators and Types of Operators, Expression and Types of Expressions (Arithmetic, Relational and Logical expressions), Types of conversion, Java Programming Flow of Control , Programming constructs (Sequence, Selection and Iteration constructs), Java Statements based on Selection construct statement if, if-else, if-else-if, switch & Java Programming.	

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CLASS XII

ENGLISH LANGUAGE	ENGLISH LITERATURE	HISTORY
FIRST TERM EXAM	FIRST TERM EXAM	FIRST TERM EXAM
Composition : Argumentative, Reflective, story-writing, descriptive, Narrative, Directed writing : Newspaper report; report on some social issue, Report on concert/stage performance, speech for morning Assembly, Article for the school magazine, statement of purpose, curriculum vitae, testimonial, English Grammar. Reinforcement of transformations, prepositions & tenses	All that has been taught in class XI And Stories : Old Love, Legend of a Sleepy Hollow, The Lost Jewels. Poems – Dulce et decorum est., Do not go gentle ----, Five ways to kill a man, Phenomenal Woman Drama - 'Much Ado About Nothing' upto Act V sc ii .	Towards Independence & Partition Development of Indian Democracy Challenges to Indian democracy Changing face of Indian Democracy World War II Decolonization in Asia & Africa Cold War
MATHS	PHYSICAL EDUCATION	ACCOUNTS
FIRST TERM EXAM	FIRST TERM EXAM	FIRST TERM EXAM
Relations Functions Inverse Trigonometric functions Determinants Matrices Continuity Differentiations Indeterminate forms of limits Mean value theorems Application of derivatives Maxima and Minima Indefinite Integral – 1 (standard forms) Indefinite Integral – 2 (Methods of Integration)Indefinite Integral – 3 (Special Integrals)	Sociological aspects of physical Education Training Methods Career aspects in Physical Education Competition and Tournaments Health education and health problems	Chapter 1 – Partnership fundamental Chapter 2 – Valuation of Goodwill Chapter 3 – Partnership Admission Chapter 4 – Partnership Retirement & Death Chapter 5 – Partnership Dissolution Chapter 6 – Issue of share Chapter 7 – Issue of Debenture Chapter 8 – Redemption of debenture Chapter 9 – Final accounts of Joint Stock Company Chapter 10 – Financial statement Analysis comparative and common size income statement and balance sheet
ECONOMICS	COMMERCE	HINDI
FIRST TERM EXAM	FIRST TERM EXAM	FIRST TERM EXAM
Ch 2 – Demand and Law of Demand Ch 3 – Theory of Consume Behaviour – Marginal Utility and Indifference curve analysis Ch 4 – Elasticity of Demand Ch 5 – Supply – Law of Supply and Price Elasticity of Supply Ch 6 – Market Mechanism – Equilibrium price and Quantity in a competitive market Ch 7 – Law of Returns – Returns to a factor and Returns to scale Ch 8 – Cost and Revenue Analysis Ch 9 – Forms of Market Ch 10 – Producer's Equilibrium Ch 13 – Money : Meaning and Functions Ch 14 – Bank : Commercial Bank and Central Bank Ch 18 – National Income and Circular Flow of Income Ch 19 – National Income Aggregates Ch 20 – Methods of Measuring National Income	Unit 1 – Meaning and nature of management Unit 2 – Principles of management Unit 3 – Functions of Management & Coordination Unit 4 – Planning Unit 5 – Organizing Unit 6 – Staffing Unit 7 – Directing Unit 8 – Controlling and coordination Unit 9 – Marketing Unit 10 – Marketing Mix	गद्य संकलन – भक्तिन संस्कृति क्या है ? मजबूरी पुत्र प्रेम गौरी शरणागत सती , क्या निरास हुआ जाये, आउट साइडर, दासी काव्य मंजरी – नदी के द्वीप, उद्यमी नर, बादल तो घिरते देखा है। अन्धेरे का दीपक तुलसी दास के पद , साखी, बाललीला , एक फूल की चाह , आ: धरती कितना देती है, जाग तुझको दूर जाना है। आषाढ का एक दिन – अंक एक , अंक दो, अंक तीन हिन्दी भाषा – निबंध लेखन अपठित गद्यांश, मुहावरे वाक्य शुद्धिकरण।

HOME SCIENCE		
FIRST TERM EXAM		
<p>Food Preparation Techniques and methods of cooking. Medium of cooking (dry/wet method). Preliminary treatment of foods before cooking. Method of increasing nutritive value of foods.</p> <p>Effects of cooking on food components Carbohydrate – starch Sugar, pectin, protein, oils and fats Minerals and vitamins. Management of Agricultural Produce Store and Preservation Cause for spoilage of food. Factors contributing to food spoilage Storage of foods – perishable, semi-perishable and non-perishable foods.</p> <p>Simple method of food preservation and safety and sanitation Simple household methods of food preservation. Commercial methods of food preservation Chemical method.</p> <p>Meal planning for the family and diet Objective of meal planning Factors affecting food selection Meal planning of various age groups. Developing good food habits.</p>		
CHEMISTRY	PHYSICS	BIOLOGY
FIRST TERM EXAM	FIRST TERM EXAM	FIRST TERM EXAM
Chapter 1 Solid State Chapter 2 Solutions Chapter 3 Electro chemistry Chapter 4 Chemical Kinetics Chapter 5 Surface Chemistry Chapter 9 Coordination Chemistry Chapter 10 Haloalkanes and Haloarenes Chapter 11 – Alcohols and Phenols Chapter 12 Aldehydes, Ketones and Carboxylic Acid Chapter 13 Compounds Containing Nitrogen	<p>Electrostatics Electric charges and fields Gauss' Theorem Electric Potential and Potential Energy Capacitors and Dielectrics</p> <p>Current Electricity Magnetic Effects of Current and Magnetism Moving charges and Magnetism Torque on a Current-Loop – Moving – Coil Galvanometer Magnetic Field and Earth's Magnetism Magnetic Classification of Substances</p> <p>Electromagnetic Induction and Alternating Currents Electromagnetic Induction Alternating Current</p> <p>Electromagnetic Waves Electromagnetic Waves</p> <p>Optics Spherical Mirrors Refraction of Light at a Plane Interface: Total Internal Reflection – Optical Fibre Refraction of Light at Spherical Surface – Lenses Refraction of light through prism and dispersion Optical instrument</p>	Reproduction in organism, Sexual reproduction in flowering plants Human reproduction, Reproductive health Origin of life Evidences of biological evolution Theories and mechanism of evolution Biotechnology applications and principles Organism and environment Population interaction Concept of population growth

COMPUTER SCIENCE

First Term

- Chapter 1. Boolean Algebra and Propositional Logic :- Propositional logic, Logical operators, Basic logic gates, postulates of Boolean algebra, Principle of duality, Demorgan's Law, Theorems of Boolean algebra, derivation of Boolean expression, Minterms, maxterms, Canonical form of Boolean expressions, (Canonical S-O-P and Canonical P-O-S), Karnaugh maps(2 Variable, 3 Variable and 4 Variable), Reduction of Boolean expressions using Karnaugh Map. function of basic gates using universal gates, NAND TO NAND Logic and NOR TO NOR Logic; Introduction to Java, Character set, Tokens, Data types
- Chapter 2. Computer Hardware:- Elementary logic gates(AND, OR and NOT), Universal gates (NAND and NOR), XOR and XNOR, application of Logic gates,(Adders, Encoders, Decoders and Multiplexer). function of basic gates using universal gates, NAND TO NAND Logic and NOR TO NOR Logic; Introduction to Java, Character set, Tokens, Data types
- Chapter 3 to 6. Review of Java Programming from Class XI
- Chapter 7. Arrays and Strings :- Types of arrays(single dimension and 2-D arrays) Implementation of 2-D arrays in Memory(Row major and Column major) , Operations in Array(searching sorting, merging) Working with String Buffer Objects, Methods of string and string buffer objects, Java programming based on string, String Buffer and arrays.
- Chapter 9. Objects and Classes:- An OOP perspective , The role of classes and Objects, Interface in java, Encapsulation, Java programming
- Chapter 10. Operations on Files:- File Handling in Java , String Tokenizer, Srtream Tokenizer, Obtaining input using Scanner class, Functions of Scanner class, Java programming .
- Chapter 11. Recursion :- Recursive function, How recursion works?, Types of recursion, Recursion Vs Iteration, Java programming using recursion functions.
- Chapter Inheritance**