

CONVENT OF JESUS & MARY, DEHRADUN
SYLLABUS FOR ANNUAL EXAMINATION 2020-2021
CLASS IX A, B & C

SUBJECT	TEACHERS	SYLLABUS
ENGLISH LANGUAGE	Ms.Urvashi Dabral(9A) Ms.Bindu Bhatia(9B) Ms. Vasudha Shah(9C)	1. Composition <ul style="list-style-type: none"> • Descriptive • Narrative • Argumentative • Story writing • Picture composition 2. Letter writing (Formal and informal) 3. Email 4. Notice 5. Comprehension 6. Grammar (use of correct form of Tenses, Prepositions, joining sentences (without using and, but or so) and Transformation of sentences.)
ENGLISH LITERATURE	Ms.Vasudha Shah(9A) Ms. Bindu Bhatia(9B) Ms. Monica Sharma(9C)	1. The Merchant of Venice Act 1- Scenes 1, 2 and 3, Act 2- Scenes 1 to 9, Act 3- Scene 1 ONLY 2. Poetry <ol style="list-style-type: none"> i. The Cold Within ii. The Bangle Sellers iii. After Blenheim iv. Television v. Daffodils 3. Prose

		<ul style="list-style-type: none"> i. Old Man at the Bridge ii. A Horse and Two Goats iii. Hearts and Hands iv. A Face in the Dark v. An Angel in Disguise
HINDI	<p>Ms. Rupam Chowdhary(9A) Ms. Anuradha Sharma(9B) Ms. Poonam Chawla(9C)</p>	<p>साहित्यसागर</p> <p>कहानी 1. बातअठन्नीकी कहानी 2. काकी कहानी 3. महायज्ञकापुरस्कार कहानी 4. नेताजीकाचश्मा</p> <p>एकांकीसंचय</p> <p>एकांकी 1. संस्कारऔरभावना एकांकी 2. बहूकीविदा एकांकी 3. मातृभूमिकामान</p> <p>व्याकरण</p> <p>1.मुहावरे 2.पर्यायवाची 3.विशेषण 4.भाववाचकसंज्ञा 5.विलोमशब्द</p>

		6.वाक्यभेद 7.काल-भेद 8.वचन 9.अशुद्ध-शुद्धवर्तनीएवंवाक्य 10.वाक्यांशकेलिएएकशब्द 11.अपठितगद्यांश 12.पत्र (औपचारिकएवंअनौपचारिक) 13.निबंध
MATHS	Ms.Abha Taneja(9A) Ms.Geetika Jindal(9B) Ms. Abha Taneja(9C)	CHAPTER 1:Rational & Irrational Numbers CHAPTER 2: Compound Interest, Exercise 2.1, 2.2 CHAPTER 3: Expansions CHAPTER 4: Factorisation CHAPTER 5: Simultaneous Linear Equation CHAPTER 6: Problems on Simultaneous Linear Equations CHAPTER 7: Quadratic Equations CHAPTER 8: Indices CHAPTER 10: Triangles, Exercise 10.1, 10.2 CHAPTER 11: Mid-point Theorem CHAPTER 12: Pythagoras Theorem CHAPTER 13: Rectilinear Figures, Exercise 13.1 CHAPTER 15: Circle CHAPTER 16: Mensuration, Exercise 16.1,16.3,16.4 CHAPTER 17: Trigonometrical Ratios CHAPTER 18: Trigonometrical Ratios of standard angles CHAPTER 19: Coordinate Geometry CHAPTER 20: Statistics
HISTORY & CIVICS	Ms.Bindu Bhatia(9A,9B,9C)	CIVICS <ol style="list-style-type: none"> 1. Our Constitution and Its Salient Features 2. Fundamental Rights, Fundamental Duties and Directive Principles of State Policy 3. Elections and the Election Commission

		<p>4. Local Self-Government : Rural Local Institutions 5. Local Self-Government : Urban Local Institutions</p> <p>HISTORY</p> <p>1. The Harappan Civilization 2. Early Vedic Civilization 3. Later Vedic Civilization 4. India in the 6th Century BC : Jainism and Buddhism 5. The Mauryan Empire 6. The Sangam Age 7. The Age of the Guptas 8. South India and the Cholas 9. The Delhi Sultanate 10. The Mughal Empire 11. The Renaissance 12. The Reformation 13. Industrial Revolution (Meaning only)</p>
GEOGRAPHY	Ms.Vimukta Uniyal(9A,9B,9C)	<p>Chapter 2 -Geographic Grid- latitudes and longitudes Chapter 3 -Rotation and Revolution Chapter 4 -Earths Structure Chapter 6 -Rocks Chapter 7 -Volcanoes Chapter 8 -Earthquake Chapter 9 -Weathering Chapter 11-Hydrosphere Chapter 12-Composition and structure of the atmosphere Chapter 13-Insolation Chapter 14-Atmospheric Pressure and Winds Chapter 15-Humidity Chapter 16-Pollution Chapter 17-Sources of Pollution Chapter 18-Effects of Pollution Chapter 19-Preventive measures Chapter 20-Natural Regions of the World</p>

		Map Work-World
PHYSICS	Ms.Neetu Gambhir(9A) Ms.Kavita Tandon(9B) Ms. Vaishali Sharma(9C)	Chapter 1. Measurements and experiments. Chapter 2. Motion in one dimension. Chapter 3. Laws of Motion. Chapter 4. Pressure in Fluids and Atmospheric Pressure. Chapter5. Upthrust in fluids, Archimedes' principle and floatation. Chapter 6. Heat and Energy. Chapter 7. Reflection of light. Chapter 8. Propagation of Sound waves Chapter 9. Current Electricity Chapter 10. Magnetism
CHEMISTRY	Ms.Neetu Gambhir(9A) Ms.Vaishali Sharma(9B,9C)	Chapter 1.The language of Chemistry Chapter 2. Chemical changes & reactions Chapter 3. Water Chapter 4. Atomic structure & Chemical bonding Chapter 5. The periodic table Chapter 6. Study of the first element – Hydrogen Chapter 7. Study of gas laws Chapter 9. Practical Chemistry
BIOLOGY	Ms.Rushda Siraj(9A) Ms.Kavita Tandon(9B) Ms.Abha Barthwal(9C)	1. Cell : The Unit of Life 2. Tissues : Plant and Animal Tissues

		<p>3. The Flower</p> <p>4. Pollination and Fertilization</p> <p>5. Seeds – Structure and Germination</p> <p>6. Respiration in Plants</p> <p>7. Economic Importance of Bacteria and Fungi</p> <p>8. Nutrition</p> <p>9. Digestive System</p> <p>10.Skeleton – Movement and Locomotion</p> <p>11.Skin – ‘The Jack of All Trades’</p> <p>12.The Respiratory System .</p>
ECONOMICS	Ms.Anjali Gupta(9A,9B,9C)	<p>Chapter 1. Definition of Economics</p> <p>Chapter 2. Basic Terms and Concepts Used in Economics</p> <p>Chapter 3. Types of Economies</p> <p>Chapter 5. Primary Sector – Agriculture</p> <p>Chapter 6. Food Security</p> <p>Chapter 7. Secondary Sector - Industry</p> <p>Chapter 8. Industrialisation</p> <p>Chapter 9. Waste Management</p> <p>Chapter 10. Tertiary Sector – Services</p> <p>Chapter 11. Poverty and Unemployment</p>
HOMESCIENCE	Ms.Meetu Rastogi(9B)	<p>Chapter 1 - Concept and scope of Homescience</p> <p>Chapter 2- Food and health</p> <p>Chapter 4- Nutrients and functions</p> <p>Chapter 5- Growth and development of children</p> <p>Chapter 7- Choosing a home</p> <p>Chapter 8- Conservation of gas electricity and water</p> <p>Chapter 9- Waste management in the home and community</p> <p>Chapter 10- What are 5 ‘r’ s</p> <p>Chapter 11- Fabrics available in the market</p>

		Chapter 12 - Choice of clothing Chapter 13 - Communication and extension
COMPUTER SCIENCE	Ms.Varsha Tayal(9A,9B,9C)	<ul style="list-style-type: none"> • Chapter 1-Introduction to Object Oriented Programming Language • Chapter 2-Introduction to Java • Chapter 3-Elementary concept of objects and classes • Chapter 4- Values and Data Types • Chapter 5- Operators and Expressions • Chapter 7- Input in Java • Chapter 8- Mathematical Library Functions • Chapter 9 - Conditional Constructs in Java • Chapter 10 – Iteration Constructs in Java
FINE ART	Ms.SumitKaurKapoor(9A)	<p><u>STILL LIFE (4 TO 5 OBJECTS)</u></p> <ul style="list-style-type: none"> • VEGETABLE SETUP • READY FOR SCHOOL SETUP • FRUIT SETUP • BREAKFAST TABLE SETUP • STUDY TABLE SETUP <p><u>NATURE STUDY</u></p> <ul style="list-style-type: none"> • ARUM – LILY • PINK LILY • A BUNCH OF GREEN GRAPES • PEARS • CAPSICUM, YELLOW AND RED BELL PEPPERS

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SUBJECTS	TEACHERS	SYLLABUS
ENGLISH LANGUAGE	Ms. Bindu Bhatia, Ms. Monika Sharma, Ms. Alisha Ahuja	<ol style="list-style-type: none"> 1. Composition <ol style="list-style-type: none"> a) Descriptive Composition b) Narrative Composition c) Argumentative Composition d) Reflective Composition e) Story Writing 2. Directed Writing <ol style="list-style-type: none"> a) Book Review b) Movie Review c) Article Writing d) Speech Writing e) Cultural Programme Review f) Report Writing g) Personal Profile h) Statement of Purpose 3. Proposal Writing based on a given situation 4. Grammar (Use of Tenses, Phrasal Verbs, Transformations) 5. Comprehension
ENGLISH LITERATURE	Ms.Alisha Ahuja, Ms.Monika Sharma, Ms. Annie	<u>1. THE TEMPEST</u> Act 1-Scene 1 and 2 Act 2-Scene 1 and 2

	Singh	<p>Act 3-Scene 1 and 2</p> <p>2. <u>REVERIE: A collection of Poems</u></p> <p> Ls.3 The Dolphins</p> <p> Ls.4 The Gift of India</p> <p> Ls.6 John Brown</p> <p> Ls.9 The Spider and the Fly</p> <p>3. <u>ECHOES: A collection of Short Stories</u></p> <p> Ls.1 Salvatore</p> <p> Ls.2 Fritz</p> <p> Ls.3 Quality</p> <p> Ls.6 The Chinese Statue</p>
HINDI	Ms. Poonam Chawla	<p>साहित्य (LITERATURE)</p> <p>BOOK-गद्यसंकलन</p> <p>LESSON-1- पुत्र-प्रेम, 2- गौरी, 3- शरणागत, 4- सती, 5- आउटसाइडर, 6- क्यानिराशहुआजाए।</p> <p>BOOK- काव्यमंजरी</p> <p>LESSON- 1-बाल-लीला, 2- एकफूलकीचाह, 3- आःधरतीकितनादेतीहै।</p> <p>व्याकरण (LANGUAGE)</p> <p>निबंध, अपठितगद्यांश, मुहावरोंकेवाक्यप्रयोग, अशुद्धवाक्योंकोशुद्धरूपदेना।</p>
MATHS	Ms. Geetika Jindal, Ms. Harleen Chaudhary	<p>SECTION A</p> <p>CHAPTER 1: Sets</p> <p>CHAPTER 2: Relations and functions</p> <p>CHAPTER 4: Trigonometrical Functions</p> <p>CHAPTER 5: Compound and Multiple angles</p> <p>CHAPTER 8: Mathematical Induction</p> <p>CHAPTER 9: Complex Numbers</p> <p>CHAPTER 10: Quadratic equations</p> <p>CHAPTER 11: Inequalities</p> <p>CHAPTER 12: Permutation and Combinations</p>

		<p>CHAPTER 13: Binomial Theorem CHAPTER 14: Sequence and series CHAPTER 15: Basic concepts of points and their Coordinates CHAPTER 16: The Straight Line CHAPTER 17: Circles CHAPTER 18: Limits CHAPTER 19: Differentiation CHAPTER 20: Measures of Central Tendency CHAPTER 21: Measures of Dispersion CHAPTER 22: Probability SECTION B CHAPTER 23: Parabola CHAPTER 24: Ellipse CHAPTER 25: Hyperbola CHAPTER 26: Points and their Coordinates in 3D CHAPTER 27: Mathematical Reasoning SECTION C CHAPTER 28: Statistics CHAPTER 29: Correlation Analysis CHAPTER 30: Index Numbers CHAPTER 31: Moving Average</p>
PHYSICS	Ms.Harmeet Kaur	<p>UNIT 1 --- Physical World and Measurements UNIT 2 --- Kinematics UNIT 4 --- Work, Power and Energy UNIT 5 --- Motion of System of Particles and Rigid Body - * only part (b) included UNIT 6 --- Gravitation UNIT 7 --- Properties of Bulk Matter UNIT 8 --- Heat and Thermodynamics UNIT 9 --- Behaviour of Perfect Gases and Kinetic Theory of Gases (only theory) UNIT 10 --- Oscillations and Waves – * only part (i) included</p>

CHEMISTRY	Ms.Ruchira Pant	<p>Chapter 1. Some Basic Concepts Of Chemistry</p> <p>Chapter 2. Structure Of Atom.</p> <p>Chapter 3. Classification Of Elements and Periodicity in Properties.</p> <p>Chapter 4. Chemical Bonding and Molecular Structure.</p> <p>Chapter 5. States of Matter : Gases and Liquids.</p> <p>Chapter 6. Chemical Thermodynamics.</p> <p>Chapter 7. Equilibrium.</p> <p>Chapter 8. Redox Reactions.</p> <p>Chapter 9. Hydrogen.</p> <p>Chapter 10. s - Block Elements.</p> <p>Chapter 11. Some p - Block Elements.</p> <p>Chapter 12. Organic Chemistry : Some Basic Principles and Techniques.</p> <p>Chapter 13. Hydrocarbons</p>
ACCOUNTS	Ms.Ruhi Singh	<p>Chapter 1: Introduction to Accounting</p> <p>Chapter 2: Journal, Ledger and Trial Balance</p> <p>Chapter 3: Subsidiary Books</p> <p>Chapter 4: Triple Column Cash Book , Petty and Analytical Petty Cash Book</p> <p>Chapter 5: Generally Accepted Accounting Principles</p> <p>Chapter 6: Bank Reconciliation Statement</p> <p>Chapter 7: Depreciation</p> <p>Chapter 8: Bills of Exchange</p> <p>Chapter 9: Final Accounts and Concept of Trading, Profit and Loss account and Balance Sheet (with and without adjustments)</p> <p>Chapter 10: Rectification of Errors</p>
COMMERCE	Ms.Ruhi Singh	<p>Chapter 1: Classification of Human Activities</p> <p>Chapter 2: Nature and Objectives of Business</p> <p>Chapter 3: Classification of Business activities</p> <p>Chapter 4: Introduction to business organisations</p> <p>Chapter 5: Sole trader</p> <p>Chapter 6: Partnership</p> <p>Chapter 7: Joint stock company</p> <p>Chapter 8: Types and Formation of companies</p>

		<p>Chapter 9: Public and Private Enterprise</p> <p>Chapter 10: Cooperative Organisations</p> <p>Chapter 11: Social Responsibility of business and business ethics</p> <p>Chapter 12: E-Business and Outsourcing</p> <p>Chapter 13: Stock Exchange</p> <p>Chapter 14: Wholesale Trade</p> <p>Chapter 15: Retail Trade</p> <p>Chapter 16: Nature and scope of Foreign Trade</p> <p>Chapter 17: Export Trade</p> <p>Chapter 18: Import Trade</p> <p>Chapter 19: Insurance, Risk and Types of Insurance</p>
HISTORY	Ms.Sumita Miglani	<p>Chapter 1: Growth of Nationalism</p> <p>Chapter 2: Emergence of the Colonial Economy</p> <p>Chapter 3: Social and Religious Movements</p> <p>Chapter 4: Protest Movements against Colonial Rule</p> <p>Chapter 5: Gandhian Nationalism (1916- 1922), (1927- 1934)</p> <p>Chapter 7: World War 1</p> <p>Chapter 8: Peace Settlements after World War 1</p> <p>Chapter 9: The Great Depression</p> <p>Chapter 10: Rise of Communism - Russia (1917- 1939)</p> <p>Chapter 11: Rise of Fascism - Italy (1919- 1939)</p> <p>Chapter 12: Rise of Nazism - Germany (1933- 1939)</p> <p>Chapter 13: Rise of Militarism - Japan (1919- 1937)</p>
PSYCHOLOGY	Ms.Annie Singh	<p>1. Unit. Introduction to Psychology</p> <p>2. Unit. Methods of Psychology & Statistics.</p> <p>3. Unit. Sensation Attention ,Perception</p> <p>4. Unit. Motivation & Emotion.</p> <p>5. Unit. Learning.</p> <p>6. Unit. Remembering & Forgetting.</p> <p>7. Thinking ,Problem Solving ,Reasoning & Creativity.</p>
BIOLOGY	Ms. Abha Barthwal	<p>1.DIVERSITY OF LIVING ORGANISMS</p> <p>a. CHAPTER 1-- The living world</p>

		<p>b. CHAPTER 2 -Biological classification c. CHAPTER 3-Plant kingdom. d. CHAPTER 4-Animal kingdom.</p> <p>2.STRUCTURAL ORGANISATION IN ANIMALS AND PLANTS a. CHAPTER 5--Morphology of flowering plants-morphology of flower. b. CHAPTER 6 -Anatomy of flowering plants. c. CHAPTER 7-Structural organisation in animals.</p> <p>3.CELL: STRUCTURE AND FUNCTION a. CHAPTER 8--Cell b. CHAPTER 9 - Biomolecules c. CHAPTER 10--Cell cycle and cell division</p> <p>4.PLANT PHYSIOLOGY a. CHAPTER 11--Transport in plants b. CHAPTER 12--Mineral nutrition c. CHAPTER 13 --Photosynthesis in higher plants d. CHAPTER 14 --Respiration in plants e. CHAPTER 15--Plant growth and development</p> <p>5.HUMAN PHYSIOLOGY a CHAPTER 16 --.Digestion and absorption b.CHAPTER 17--Breathing and exchange of gases. c. CHAPTER 18--Body fluids and circulation d. CHAPTER 19--Excretory system e. CHAPTER 20--Locomotion and movement f. CHAPTER 21 --Neural control and coordination g. CHAPTER 22--Chemical co-ordination and integration</p>
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ECONOMICS	Ms.Anjuli Deepak Gupta	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 the Basic Economic Problems under Different Economic Systems Chapter 7. Parameters (Indicators) of Development Chapter 8. Sustainable Development Chapter 9. NITI Aayog Chapter 11. Structural Changes in Indian Economy After Liberlisation Chapter 12. The Problem of Poverty in India Chapter 13. Profile of Indian Agriculture / Rural Development Chapter 14. Human Capital Formation in India Chapter 15. Unemployment in India – Problems and Policies Chapter 17. Definitions, Scope, Importance and Limitations of Statistics Chapter 19. Measures of Central Value Chapter 21. Correlation Chapter 22. Index Numbers Chapter 23. Some Mathematical Tools Used in Economics
HOMESCIENCE	Ms.Meetu Mohan	Unit 1 -concept and scope of Homescience Unit 2 -food and nutrition Unit 3– storage and preservation of food Unit 4- resource management Unit 5 - care and maintenance of textiles Unit 6- communication and extension
COMPUTER SCIENCE	Ms.Shalini Dua	Chapter 1: Data Representation, Chapter 2: Propositional Logic and Hardware Chapter 3-Chapter 7: Java Fundamentals Chapter 8: Functions Chapter 9: Exception Handling Chapter 10: Library Classes and String Manipulation Chapter 11: Arrays

		Chapter 12: Operations on Files Chapter 13: Trends in Computing
FINE ART	Ms Sumit Kaur	<u>STILL LIFE (6 TO 10 OBJECTS)</u> <ul style="list-style-type: none"> • VEGETABLE SETUP • READY FOR PARTY SETUP • FRUIT SETUP • BREAKFAST TABLE SETUP • STUDY TABLE SETUP <u>NATURE STUDY</u> <ul style="list-style-type: none"> • HYDRANGEA • HYACINTH • HOLLYHOCKS • CYMBIDIUM ORCHID • GERANIUM