

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

SUBJECT	TEACHERS	SYLLABUS
<b>ENGLISH LANGUAGE</b>	Ms.UrvashiDabral(9A) Ms.Bindu Bhatia(9B) Ms. Vasudha Shah(9C)	1. Composition <ul style="list-style-type: none"> <li>• Descriptive</li> <li>• Narrative</li> <li>• Argumentative</li> <li>• Story writing</li> <li>• Picture composition</li> </ul> 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.)
<b>ENGLISH LITERATURE</b>	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 2. Poetry <ol style="list-style-type: none"> <li>i. The Cold Within</li> <li>ii. The Bangle Sellers</li> <li>iii. After Blenheim</li> <li>iv. Television</li> </ol>

		<p>3. Prose</p> <p>i. Old Man at the Bridge</p> <p>ii. A Horse and Two Goats</p> <p>iii. Hearts and Hands</p> <p>iv. A Face in the Dark</p> <p>v. An Angel in Disguise</p>
<b>HINDI</b>	<p>Ms. Rupam Chowdhary(9A)</p> <p>Ms. Anuradha Sharma(9B)</p> <p>Ms. Poonam Chawla(9C)</p>	<p>साहित्यसागर</p> <p>कहानी 1. बातअठन्नीकी</p> <p>कहानी 2. काकी</p> <p>कहानी 3. महायज्ञकापुरस्कार</p> <p>कहानी 4. नेताजीकाचश्मा</p> <p>एकांकीसंचय</p> <p>एकांकी 1. संस्कारऔरभावना</p> <p>एकांकी 2. बहूकीविदा</p> <p>एकांकी 3. मातृभूमिकामान</p> <p>व्याकरण</p> <p>1.मुहावरे</p> <p>2.पर्यायवाची</p> <p>3.विशेषण</p>

		<p>4.भाववाचकसंज्ञा</p> <p>5.विलोमशब्द</p> <p>6.वाक्यभेद</p> <p>7.काल-भेद</p> <p>8.वचन</p> <p>9.अशुद्ध-शुद्धवर्तनीएवंवाक्य</p> <p>10.वाक्यांशकेलिएएकशब्द</p> <p>11.अपठितगद्यांश</p> <p>12.पत्र (औपचारिकएवंअनौपचारिक)</p> <p>13.निबंध</p>
<b>MATHS</b>	<p>Ms.Abha Taneja(9A)</p> <p>Ms.Geetika Jindal(9B)</p> <p>Ms. Abha Taneja(9C)</p>	<p>CHAPTER 2: Compound Interest, Exercise 2.1, 2.2</p> <p>CHAPTER 3: Expansions</p> <p>CHAPTER 4: Factorisation</p> <p>CHAPTER 5: Simultaneous Linear Equation</p> <p>CHAPTER 6: Problems on Simultaneous Linear Equations</p> <p>CHAPTER 7: Quadratic Equations</p> <p>CHAPTER 8: Indices</p> <p>CHAPTER 11: Mid-point Theorem</p> <p>CHAPTER 12: Pythagoras Theorem</p> <p>CHAPTER 13: Rectilinear Figures, Exercise 13.1</p> <p>CHAPTER 15: Circle</p> <p>CHAPTER 16: Mensuration, Exercise 16.1,16.3,16.4</p> <p>CHAPTER 17: Trigonometrical Ratios</p> <p>CHAPTER 18: Trigonometrical Ratios of standard angles</p> <p>CHAPTER 19: Coordinate Geometry</p> <p>CHAPTER 20: Statistics</p>

<b>HISTORY &amp; CIVICS</b>	Ms.Bindu Bhatia(9A,9B,9C)	<p style="text-align: center;"><b>CIVICS</b></p> <ol style="list-style-type: none"> <li>1. Our Constitution and Its Salient Features</li> <li>2. Fundamental Rights, Fundamental Duties and Directive Principles of State Policy</li> <li>3. Elections and the Election Commission</li> <li>4. Local Self-Government : Rural Local Institutions</li> <li>5. Local Self-Government : Urban Local Institutions</li> </ol> <p style="text-align: center;"><b>HISTORY</b></p> <ol style="list-style-type: none"> <li>1. The Harappan Civilization</li> <li>2. Early Vedic Civilization</li> <li>3. Later Vedic Civilization</li> <li>4. The Mauryan Empire</li> <li>5. The Age of the Guptas</li> <li>6. The Delhi Sultanate</li> <li>7. The Mughal Empire</li> <li>8. The Renaissance</li> <li>9. The Reformation</li> <li>10. Industrial Revolution (Meaning only)</li> </ol>
<b>GEOGRAPHY</b>	Ms.VimuktaUniyal(9A,9B,9C)	Chapter 3 -Rotation and Revolution Chapter 4 -Earths Structure Chapter 6 -Rocks Chapter 7 -Volcanoes Chapter 8 -Earthquake 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

		<p>Chapter 17-Sources of Pollution  Chapter 18-Effects of Pollution  Chapter 19-Preventive measures  Chapter 20-Natural Regions of the World  Map Work-World</p>
<b>PHYSICS</b>	<p>Ms.Neetu Gambhir(9A)  Ms.Kavita Tandon(9B)  Ms. Vaishali Sharma(9C)</p>	<p>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</p>
<b>CHEMISTRY</b>	<p>Ms.Neetu Gambhir(9A)  Ms.Vaishali Sharma(9B,9C)</p>	<p>Chapter 1.The language of Chemistry  Chapter 2. Chemical changes &amp; reactions  Chapter 3. Water  Chapter 4. Atomic structure &amp; Chemical bonding  Chapter 5. The periodic table  Chapter 7. Study of gas laws</p>

<b>BIOLOGY</b>	Ms.Rushda Siraj(9A) Ms.Kavita Tandon(9B) Ms.AbhaBarthwal(9C)	<ol style="list-style-type: none"> <li>1. The Flower</li> <li>2. Pollination and Fertilization</li> <li>3. Seeds – Structure and Germination</li> <li>4. Respiration in Plants</li> <li>5. Economic Importance of Bacteria and Fungi</li> <li>6. Nutrition</li> <li>7. Digestive System</li> <li>8. Skeleton – Movement and Locomotion</li> <li>9. Skin – ‘The Jack of All Trades’</li> <li>10. The Respiratory System</li> </ol>
<b>ECONOMICS</b>	Ms.Anjuli Gupta(9A,9B,9C)	<p>Chapter 1. Definition of Economics  Chapter 2. Basic Terms and Concepts Used in Economics  Chapter 3. Types of Economies  Chapter 5. Primary Sector – Agriculture  Chapter 6. Food Security  Chapter 7. Secondary Sector - Industry  Chapter 8. Industrialisation  Chapter 10. Tertiary Sector – Services  Chapter 11. Poverty and Unemployment</p>
<b>HOMESCIENCE</b>	Ms.Meetu Rastogi(9B)	<p>Chapter 2- Food and health  Chapter 4- Nutrients and functions  Chapter 5- Growth and development of children  Chapter 7- Choosing a home  Chapter 8- Conservation of gas electricity and water  Chapter 9- Waste management in the home and community  Chapter 10- What are 5 ‘r’ s  Chapter 11- Fabrics available in the market  Chapter 12 - Choice of clothing</p>

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

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**CLASS XI A,B,C,D**

SUBJECTS	TEACHERS	SYLLABUS
ENGLISH LANGUAGE	Ms.Bindu Bhatia, Ms. Monika Sharma, Ms. Alisha Ahuja	1. Composition a) Descriptive Composition b) Narrative Composition c) Argumentative Composition d) Reflective Composition e) Story Writing 2. Directed Writing 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 Singh	1. <u>THE TEMPEST</u> Act 1-Scene 1 and 2 Act 2-Scene 1 and 2 Act 3-Scene 1 2. <u>REVERIE: A collection of Poems</u> Ls.3 The Dolphins Ls.4 The Gift of India Ls.6 John Brown Ls.9 The Spider and the Fly 3. <u>ECHOES: A collection of Short Stories</u> Ls.1 Salvatore Ls.2 Fritz Ls.3 Quality Ls.6 The Chinese Statue



HINDI	Ms. Poonam Chawla	<p><b>साहित्य (LITERATURE)</b>          BOOK-गद्यसंकलन          LESSON-1- पुत्र-प्रेम, 2- गौरी, 3- शरणागत, 4- सती, 5- आउटसाइडर, 6- क्यानिराशहुआजाए।          BOOK- काव्यमंजरी          LESSON- 1-बाल-लीला, 2- एकफूलकीचाह, 3- आःधरतीकितनादेतीहै।  <b>व्याकरण (LANGUAGE)</b>          निबंध, अपठितगद्यांश, मुहावरोंकेवाक्यप्रयोग, अशुद्धवाक्योंकोशुद्धरूपदेना।</p>
MATHS	Ms. Geetika Jindal, Ms. Harleen Chaudhary	<p><b>SECTION A</b>          CHAPTER 1: Sets          CHAPTER 2: Relations and functions          CHAPTER 4: Trigonometrical Functions          CHAPTER 5: Compound and Multiple angles          CHAPTER 9: Complex Numbers          CHAPTER 12: Permutation and Combinations          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  <b>SECTION B</b>          CHAPTER 23: Parabola          CHAPTER 24: Ellipse          CHAPTER 25: Hyperbola          CHAPTER 26: Points and their Coordinates in 3D          CHAPTER 27: Mathematical Reasoning  <b>SECTION C</b>          CHAPTER 28: Statistics          CHAPTER 29: Correlation Analysis</p>

		CHAPTER 30: Index Numbers CHAPTER 31: Moving Average
PHYSICS	Ms.Harmeet Kaur	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
CHEMISTRY	Ms.RuchiraPant	Chapter 1. Some Basic Concepts Of Chemistry Chapter 2. Structure Of Atom. Chapter 3. Classification Of Elements and Periodicity in Properties. Chapter 4. Chemical Bonding and Molecular Structure. Chapter 5. States of Matter : Gases and Liquids. Chapter 6. Chemical Thermodynamics. Chapter 7. Equilibrium. Chapter 8. Redox Reactions.. Chapter 12. Organic Chemistry : Some Basic Principles and Techniques. Chapter 13. Hydrocarbons
ACCOUNTS	Ms.Ruhi Singh	Chapter 2: Journal, Ledger and Trial Balance Chapter 3: Subsidiary Books Chapter 4: Triple Column Cash Book , Chapter 5: Generally Accepted Accounting Principles Chapter 6: Bank Reconciliation Statement Chapter 7: Depreciation Chapter 8: Bills of Exchange Chapter 9: Final Accounts and Concept of Trading, Profit and Loss account and Balance Sheet (with and without adjustments) Chapter 10: Rectification of Errors
COMMERCE	Ms.Ruhi Singh	Chapter 3: Classification of Business activities Chapter 4: Introduction to business organisations Chapter 5: Sole trader Chapter 6: Partnership Chapter 7: Joint stock company

		<p>Chapter 8: Types and Formation of companies  Chapter 9: Public and Private Enterprise  Chapter 10: Cooperative Organisations  Chapter 11: Social Responsibility of business and business ethics  Chapter 12: E-Business and Outsourcing  Chapter 13: Stock Exchange  Chapter 14: Wholesale Trade  Chapter 15: Retail Trade  Chapter 16: Nature and scope of Foreign Trade  Chapter 17: Export Trade  Chapter 18: Import Trade  Chapter 19: Insurance, Risk and Types of Insurance</p>
HISTORY	Ms.SumitaMiglani	<p>Chapter 1: Growth of Nationalism  Chapter 2: Emergence of the Colonial Economy  Chapter 4: Protest Movements against Colonial Rule  Chapter 5: Gandhian Nationalism (1916- 1922), (1927- 1934)  Chapter 7: World War 1  Chapter 8: Peace Settlements after World War 1  Chapter 9: The Great Depression  Chapter 10: Rise of Communism - Russia (1917- 1939)  Chapter 11: Rise of Fascism - Italy (1919- 1939)  Chapter 12: Rise of Nazism - Germany (1933- 1939)  Chapter 13: Rise of Militarism - Japan (1919- 1937)</p>
PSYCHOLOGY	Ms.Annie Singh	<p>1. Unit. Introduction to Psychology  2. Unit. Methods of Psychology &amp; Statistics.  3. Unit. Sensation Attention ,Perception  4. Unit. Motivation&amp;Emotion.  5. Unit. Learning.  6. Unit.Remembering&amp;Forgetting.  7. Thinking ,Problem Solving ,Reasoning &amp; Creativity.</p>
BIOLOGY	Ms. AbhaBarthwal	<p><b>1.DIVERSITY OF LIVING ORGANISMS</b>  a. The living world  b.Biological classification--all five kingdoms.  <b>2.STRUCTURAL ORGANISATION IN ANIMALS AND PLANTS</b>  a.Morphology of flowering plants-morphology of flower.  b.Anatomy of flowering plants  c.Structuralorganisation in animals</p>

		<p><b>3.CELL: STRUCTURE AND FUNCTION</b>  a.Cell  b.Biomolecules  c.Cell cycle and cell division</p> <p><b>4.PLANT PHYSIOLOGY</b>  a.Transport in plants--[cancel-Transpiration ,Root Pressure,Guttation]  b.Mineral nutrition  c.Photosynthesis in higher plants  d.Respiration in plants  e.Plant growth and development</p> <p><b>5.HUMAN PHYSIOLOGY</b>  a.Digestion and absorption  b.Breathing and exchange of gases.  c.Body fluids and circulation[ Cancel -Structure of Heart,Bloodcirculation,DoubleCirculation,Cardiaccycle,Blood Pressure]  d.Excretory system [ Cancel--Structure of kidney and Nephron]  e.Locomotion and movement [ Cancel--Joints ]  f.Neural control and coordination [ Cancel--Structure of Brain ,Reflex Action and conditioned Reflex ]</p>
ECONOMICS	Ms.Anjuli Deepak Gupta	Chapter 1. Definition of Economics Chapter 2. Basic Concepts of Economics Chapter 3. Basic Problems of an Economy 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 12. The Problem of Poverty in India Chapter 13. Profile of Indian Agriculture / Rural Development Chapter 14. Human Capital Formation in India

		<p>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</p>
HOMESCIENCE	Ms.Meetu Mohan	<p>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</p>
COMPUTER SCIENCE	Ms.Shalini Dua	<p>Chapter 1: Data Representation,  Chapter 2: Propositional Logic and Hardware  Chapter 3-Chapter 6: Java Fundamentals  Chapter 8: Functions  Chapter 9: Exception Handling  Chapter 10: Library Classes and String Manipulation  Chapter 11: Arrays  Chapter 13: Trends in Computing</p>
FINE ART	MsSumit Kaur	<p><u>STILL LIFE (6 TO 10 OBJECTS)</u></p> <ul style="list-style-type: none"> <li>• VEGETABLE SETUP</li> <li>• READY FOR PARTY SETUP</li> <li>• FRUIT SETUP</li> <li>• BREAKFAST TABLE SETUP</li> <li>• STUDY TABLE SETUP</li> </ul> <p><u>NATURE STUDY</u></p> <ul style="list-style-type: none"> <li>• HYDRANGEA</li> <li>• HYACINTH</li> <li>• HOLLYHOCKS</li> <li>• CYMBIDIUM ORCHID</li> <li>• GERANIUM</li> </ul>