

**ST. MARY'S ORTHODOX SCHOOL**  
**SYLLABUS FOR THE SESSION 2022-2023**  
**CLASS XI**

<b>ENGLISH LANGUAGE</b>				
<b>S.NO</b>	<b>MONTHS</b>	<b>TEST / EXAM</b>	<b>CHAPTERS</b>	<b>ACTIVITY / PROJECT</b>
1	<b>JUNE-JULY</b>	<b>I UNIT TEST</b>	<ol style="list-style-type: none"> <li>1. Proposal writing</li> <li>2. Phrasal verbs</li> <li>3. Comparison of Adjectives</li> <li>4. Conditional sentences</li> <li>5. Active and Passive Voice</li> <li>6. Speech Writing</li> <li>7. Narrative Composition</li> <li>8. Descriptive Composition</li> </ol>	Worksheet on the given topics (Grammar). Oral and Aural practice sessions
2	<b>AUGUST</b>	<b>HALF YEARLY</b>	<ol style="list-style-type: none"> <li>1. Compositions-</li> <li>2. Argumentative Composition</li> <li>3. Short story</li> <li>4. Comprehension skills</li> <li>5. Directed Writing</li> <li>6. Article writing. book review,</li> <li>7. Personal Profile,</li> <li>8. Report writing</li> <li>9. Review of a Cultural Programme + Complete UT I Syllabus</li> </ol>	Worksheet on the given topics ( Grammar). Oral and Aural Practice. Practice of Comprehension.
3	<b>SEP- NOV</b>	<b>II UNIT TEST</b>	<ol style="list-style-type: none"> <li>1. Functional Grammar:</li> <li>2. Narrations</li> <li>3. Synthesis of Sentences</li> <li>4. Tenses And Their Uses</li> <li>5. Conditional Sentences</li> <li>6. Transformation</li> <li>7. Report writing</li> </ol>	Revision worksheets
4	<b>DECEMBER-FEBRUARY</b>	<b>ANNUAL EXAM</b>	Complete syllabus Practice of Revision worksheets	Revision worksheets Oral and Aural practice sessions

ENGLISH LITERATURE				
S.NO	MONTHS	TEST / EXAM	CHAPTERS	ACTIVITY / PROJECT
1.	JUNE-JULY	I UNIT	Play: The Tempest Act1 scene 1 and 2 Prose: Salvatore Poem: The Dolphins	Creative writing
2.	AUGUST	HALF YEARLY	Play: Act 1, Act 2 complete Prose: Fritz, Quality Poetry: John Brown The Gift of India + First Unit test syllabus	Project work
3.	SEP- NOV	II UNIT TEST	Internal Assessment Play: Act 3 scene 1 Prose: A Gorilla in the Guest Room The Chinese Statue Poetry: Desiderata The Spider and the Fly	Sample papers Project and specimen papers
4	DECEMBER- FEBRUARY	ANNUAL EXAM	Complete Syllabus + Revision	

MATHEMATICS				
S.NO	MONTHS	TEST / EXAM	CHAPTERS	ACTIVITY / PROJECT
1.	JUNE JULY	I UNIT TEST	1. Set 5. Complex number	Write All Formulae Related to Trigonometry. in A4 Size Sheets
2.	AUGUST	HALF YEARLY	2. Relation and functions, 3. Trigonometry, 4. Principle of mathematical induction, 9. Binomial theorem, 6. Quadratic Equations, 14. Statistics B1. Conics (Sci. section), C1. Statistics (Comm. Sec.) C2. Correlation Analysis (Comm. Sec.) +UT-1 Syllabus.	Write All Formulae Related to Conics in A4 Size Sheets
3.	SEP- NOV	II UNIT TEST	7. Linear Inequalities 8. Permutation and Combination 15. Probability 16. Sequences and Series 11. Straight Lines, 12. Circles, 13. Limits and Derivatives	Revision for mock test
4.	DEC- FEB	FINAL EXAM	B2. Introduction To 3D (Sci. Section), B3. Mathematical Reasoning (Sci. Section), C3. Index and Moving Averages (Comm. Sec.) + 2 <sup>nd</sup> unit test (complete syllabus)	Practice sample papers

PHYSICS				
S.NO	MONTHS	TEST / EXAM	CHAPTERS	ACTIVITY / PROJECT
1.	JUNE- JULY	I UNIT TEST	Ch.1 Dimensional Analysis, Significant Figures Ch.2. Vector Analysis Ch.3. Motion in a plane Ch.4. Force: Newton's Laws of Motion	June - Project file on the given topic (any one) : 1. Motion , 2) Elasticity 3) work power energy 4) Gravitation 5) Rotational motion
2.	AUGUST	HALF YEARLY	Ch.5. Friction, Ch.6. U.C.M. (Uniform Circular Motion) Ch.7. Work Power & Energy Ch.8. Centre of Mass Ch.9. Rotational Motion Of a Rigid Body, Ch.10. Gravitation	Practical's based on screw gauge, Vernier calipers and simple pendulum (1st Experiment).
3.	SEP- NOV.	II UNIT TEST	Ch.11. Elasticity, Ch.12. flow of liquids + Revision + 1st unit test syllabus Ch.13. Surface Tension Ch.14. Heat transfer, Ch.15. Thermodynamics Ch.16. Isothermal & Adiabatic Ch.17. Heat Engine:- II <sup>nd</sup> Law of Thermodynamics. Ch.18. Behavior of perfect gas and Kinetic Theory of Gases	Practical's based on sonometer, simple pendulum (2nd Experiment). Activity based on waves by the help of tuning fork and Motion Project given by the teacher : Model on the given topic (any one): (1) Hydraulics' (2) Waves Motion
4.	DEC- FEB.	FINAL EXAM	Ch.19. S.H.M Ch.20. Superposition of Waves -1 Ch.21. Superposition of Waves -2 Ch.22. Vibrations of stretched strings, Revision	

COMPUTER SCIENCE				
S.NO	MONTHS	TEST / EXAM	CHAPTERS	ACTIVITY / PROJECT
1.	JUNE- JULY	I UNIT TEST	Ch-1 Data Representation	Write about different types of number systems
2.	AUGUST	HALF YEARLY	Ch-2 Propositional Logic & Hardware Ch- 3 General OOP Concepts Ch-4 Introducing Java Ch -5 Java Fundamentals Ch -6 Flow of Control Ch -7 Classes in Java Ch -8 Functions (Methods) Ch-9 Program Error Types and Basic Exception Handling Ch-10 Using Library Classes and Packages Ch -11 Arrays	Write the given programming assignments in Lab Manual related to covered topic

3.	SEP-NOV.	II UNIT TEST	Ch -12 Operations on Files Ch-13 Trends in Computing and Ethical Issues	Write the given programming assignments in Lab Manual related to covered topics
4.	DEC-FEB.	FINAL EXAM	COMPLETE SYLLABUS	Practical Exam

CHEMISTRY				
S.NO	MONTHS	TEST / EXAM	CHAPTERS	ACTIVITY / PROJECT
1.	JUNE-JULY	I UNIT TEST	2.Structure of atom	Make project on topic given by teacher PRACTICAL 1-Identification of inorganic mixture
2.	AUGUST	HALF YEARLY	3.Classification of elements and periodicity in Properties 4.Chemical bonding and molecular structure 8.Redox Reaction 1. Some basic concepts of chemistry 9.Hydrogen 10.S-block elements	PRACTICAL 1- Identification of Inorganic Mixture 2-Titration
3.	SEP-NOV.	II UNIT TEST	12.Organic Chemistry some basic principles And techniques 11.P-block Elements 5.States of matter 7.Equilibrium 14.Environmental chemistry 6.Chemical thermodynamics 13.Hydrocarbon +1 <sup>st</sup> unit test +2 <sup>nd</sup> unit test	PRACTICAL 1-Identification of Inorganic Mixture 2-Titration
4.	DEC-FEB.	FINAL EXAM	Complete Syllabus	1-Identification of Inorganic Mixture 2-Titration

<b>BIOLOGY</b>				
<b>S.NO</b>	<b>MONTHS</b>	<b>TEST / EXAM</b>	<b>CHAPTERS</b>	<b>ACTIVITY / PROJECT</b>
1.	JUNE- JULY	I UNIT TEST	CH.5. Morphology of Flowering Plants CH.6. Anatomy of flowering plants CH.7. Structural Organization in animals	ACTIVITY/PROJECT 1.SCINTIFIC TECHNIQUES- (a)To study parts of a dissecting microscope and compound 2.SPOTTING-(a) Stages of meiosis (b) Identification of mammalian blood cells (c) Bacteria (d)Spirogyra (e) Amoeba (f) Yeast (g) Liverworts (h) Tape worn (i) Moss (j) Fern (k) Pinus (l) Mushroom (m) T.S of mono cot and dicot plant
2.	AUGUST	HALF YEARLY	CH.1. The living world CH.2. Biological classification CH.3. Plant Kingdom CH.4. Animal Kingdom CH.8. Cell - the unit of life CH.9. Biomolecules CH.10. Cell cycle and cell division CH.11. Transport in plants  + UT-1 Syllabus	PHYSIOLOGY- (a) Food test :test for starch, glucose, sucrose (b)To study the effect of thawing, heat,and alcohol, on Permeability of beet root cells (c)Separation of plants pigment from leaves by chromatography (d) Effect of different CO <sub>2</sub> conc. On the rate of photosynthesis. (e) Demonstration of plasmolysiswith the help of rhoeo leaf/ onion bulb * Demonstration of osmosis (Potato osmoscope) 3.MORPHOLOGY (a) Modification of leaves, Roots, Stem (b) Preparation of temporary slides of Mucor / Rhizopus Cytology:-Preparation of temporary slide of onion peel.
3.	SEP- NOV.	II UNIT TEST	CH.12. Mineral nutrition CH.13. Photosynthesis in higher plants CH.14. Respiration in plants CH.15. Plant growth and development	(c)T.S of mono cot stem (d) T.S of monocot root (e) Dicot stem and root
4.	DEC- FEB.	FINAL EXAM	CH.16. Digestion and absorption. CH.17. Breathing and exchange of gases CH.18. Body fluids and circulation. CH.19. Excretory products and their elimination CH.20. Locomotion and movement. CH.21. Neural control and co-ordination. CH.22. Chemical coordination and integration Practical Revisions  + UT-1 + UT-2 + Half yearly syllabus	SPOTTING - (a) sponge (b) one monocot plant (c) one dicot plant (d) Hydra (e) Leech (f) Silk worm (g) Rohu fish.  <ul style="list-style-type: none"> <li>• Comment on experimental set up studied in physiology.</li> <li>• A) Osmosis</li> <li>• B) Transpiration</li> <li>• C) Photosynthesis</li> <li>• D) Transpiration pull</li> </ul>

<b>ECONOMICS</b>				
<b>S.NO</b>	<b>MONTHS</b>	<b>TEST / EXAM</b>	<b>CHAPTERS</b>	<b>ACTIVITY / PROJECT</b>
1.	<b>JUNE- JULY</b>	<b>I UNIT TEST</b>	Ch -1 Definition of Economics Ch- 2 Basic concepts of Economics  First UT Syllabus	Make a study of two co-operative institutions with a view to compare the organizational and financial structure of the organizations, production capacity and output, marketing strategies, sales, market share etc
2.	<b>AUGUST</b>	<b>HALF YEARLY</b>	Ch-3 Basic problems of an economy. Ch -4.Types of Economies Ch-5 Solutions to the basic economic problems under different economic systems Ch -6 Economic growth and development Ch-7 Parameters of development Ch-8 Sustainable development Ch-9 Planning and Economic development in India. Ch-10 Indian Economy Post Liberalisation Ch-11 Structural changes in the Indian economy after liberalization. + First UT Syllabus	Prepare a report on the various poverty alleviation and employment generation programmes started in India, with special focus MNREGA.
3.	<b>SEP- NOV.</b>	<b>II UNIT TEST</b>	Ch 12 The problems of poverty in India Ch 13 Profile of Indian agriculture/Rural development Ch 14 Human capital formation in India Ch 15 Unemployment in India – Problems and Policies Ch 16 Definition, Scope, Importance and limitations of Statistics Ch-17 Collection Organisation & Presentation Ch 18 Measures of central value Ch 19 Measures of dispersion Ch 20 Correlation Ch 21 Index Number Ch 22 Some mathematical tools used in economics.	Revision for Mock Test.
4.	<b>DEC- FEB.</b>	<b>FINAL EXAM</b>	<b>Revision of entire syllabus And Project Work</b>	Internals in process

ACCOUNTS				
S. NO	MONTHS	TEST / EXAM	CHAPTERS	ACTIVITY / PROJECT
1.	JUNE-JULY	I UNIT TEST	Ch -1 Evolution of Accounting & Basic Accounting Terms Ch- 2 Accounting Equations First UT Syllabus	Preparation of Journal /Sub-division of journal, Ledger, Trial Balance and Financial Statements of a trading organization on the basis of case study.
2.	AUGUST	HALF YEARLY	Ch-3 Meaning and Objectives of Accounting Ch-4 Double Entry System Ch-5 Books of Original Entry --- Journal Ch-6 Accounting for Goods and service Tax(GST) Ch-7 Books of Original Entry--- Cash Book Ch-8 Books of Original Entry--- Special Purpose Subsidiary book Ch-9 Ledger Ch-10 Trial Balance Ch-11 Bank Reconciliation Statement Ch-12 Depreciation + First UT Syllabus	Prepare a Bank Reconciliation Statement and Amended Cash Book from the information given in your Cash Book and Bank Reconciliation statement(Pass Book) with at least fifteen transactions.
3.	SEP-NOV.	II UNIT TEST	Ch-13 Bills of Exchange Ch-14 Generally Accepted Accounting Principles (GAAP) Ch-15 Bases of Accounting Ch-16 Accounting Standards and International Financial Reporting Standards (IFRS) Ch-17 Capital and Revenue Ch-18 Provisions and Reserves Ch-19 Final Accounts Ch-20 Final Accounts--- With Adjustments Ch-21 Errors and their Rectification	Revision for Mock Test.
4.	DEC-FEB.	FINAL EXAM	Ch-22 Accounts from Incomplete Records : Single Entry System Ch-23 Accounts of Not-for Profit Organizations Ch-24 Computerized Accounting system Ch-25 Accounting Information System.  <b>Revision of entire syllabus</b>	Internals in process
		ANNUAL EXAM	Complete Syllabus	

COMMERCE				
S.NO	MONTHS	TEST / EXAM	CHAPTERS	ACTIVITY / PROJECT
1.	JUNE-JULY	I UNIT TEST	Ch. 1. Classification of Human Activities Ch.2. Nature and Objectives of Business	
2.	AUGUST	HALF YEARLY	Ch.3. Classification of Business Activities Ch.4. Introduction to Business Organization Ch.5. Sole Trader Ch.6. Partnership Ch.7. Joint Stock Company Ch.8. Types of Companies Ch.9. Formation of a Company Ch.10. Public Enterprises	Assume you are starting a partnership firm with your friend/friends. Develop a business plan covering the following aspects:  -Formation of this partnership firm-rules and steps that would be

			Ch.11. Cooperative organization Ch.12. Social Responsibility Ch.13.E-Business and Outsourcing	followed including the partnership Deed -Choice of types of partners involved and your justification for the same.
3.	SEP-NOV.	II UNIT TEST	Ch.14. Stock Exchange Ch.15. Wholesale Trade Ch.16. Retail Trade Ch.17. Procedure and Documents used in Home Trade + PROJECT Ch. 18. Chambers of Commerce and Industry Ch.19. Nature and Scope of Foreign Trade- Documents Involved in International Trade	
4.	DEC-FEB.	FINAL EXAM	Ch. 20. Export Trade- Meaning Objective and Purpose Ch.21. Import Trade- Meaning Objective and Purpose Ch.22. World Trade Organisation- Meaning Objective and Purpose International Trade Ch.23. Business Risk and Insurance- Meaning Objective and Purpose, Principles of Insurance Ch.24. Types of Insurance <b>REVISION OF ENTIRE SYLLABUS</b>	
		MOCK TEST	Complete Syllabus	
		ANNUAL EXAM	Complete Syllabus	

PHYSICAL EDUCATION				
S.NO	MONTHS	TEST / EXAM	CHAPTERS	ACTIVITY / PROJECT
1.	JUNE-JULY	I UNIT TEST	<b>(Section-A)</b> Ch-1- Concept of Physical Education Ch-2- Individual Aspects And Group Dynamics <b>(Section-B)</b> Ch-1- Cricket laws	Practical assessment and cricket project
2.	AUGUST	HALF YEARLY	<b>(Section-A)</b> Ch-3- Effects of Physical Exercise on Human Body Ch-4- Nutrition, Weight Control & Exercise <b>(Section-B)</b> Ch-1- Cricket laws Ch-2- Football laws + U.T - 1	Practical assessment and football project
3.	SEP-NOV.	II UNIT TEST	<b>(Section-A)</b> Ch-5 – Physical Fitness & Wellness Ch-6 – Games & Sports – A Global Aspects <b>(Section-B)</b> Ch-1- Cricket laws Ch-2- Football laws + Complete Syllabus	Physical Efficiency Test
4.	DEC-FEB.	FINAL EXAM	Complete Syllabus	Practical assessment, Viva and Physical test



<b>HISTORY</b>				
<b>S.NO</b>	<b>MONTHS</b>	<b>TEST / EXAM</b>	<b>CHAPTERS</b>	<b>ACTIVITY / PROJECT</b>
1.	JUNE- JULY	I UNIT TEST	<b>Indian History</b> 1. Growth of Nationalism	Collect the information about Partition Movement Leaders and list up their work in your class work register
2.	AUGUST	HALF YEARLY	<b>Indian History</b> 2. Emergence of the Colonial Economy 3. Economic, Social and Cultural impact of British Rule 4. Protest Movement against Colonial Rule  <b>World History</b> 7.The First World War 1914-18 8.Peace Settlement after the World War: Establishment of The League of Nations 9. The Great Depression: USA, Germany, Britain, France and Japan 10. Rise of Communism in Russia (1917-39)	Make a project file in any one topic : RabindraNath Tagore/ Bhagat Singh  Collect information about harmful effects of The Great Depression in your classwork register  Make picture collage of Gandhian movements in your classwork register
3.	SEP- NOV.	II UNIT TEST	<b>Indian History</b> 5. Gandhian Nationalism  <b>World History</b> 11. Rise of Fascism in Italy (1922-39)	Oral and written Revision
4.	DEC- FEB.	FINAL EXAM	<b>World History</b> 12. Rise of Nazism in Germany(1933-39) 13. Rise of Militarism: Japan (1919-41)  Complete Syllabus & Remedial Classes & Revision	Model Test Paper solution

<b>SOCIOLOGY</b>				
<b>S.NO</b>	<b>MONTHS</b>	<b>TEST / EXAM</b>	<b>CHAPTERS</b>	<b>ACTIVITY / PROJECT</b>
1.	JUNE- JULY	I UNIT TEST	Ch-1. Origin and Development of Sociology and Anthropology Ch-2. Research Methodology	1. Collect the information of the Classical thinkers and write about their contributions. eg. Auguste Comte, Herbert Spencer. Max Weber
2.	AUGUST	HALF YEARLY	Ch-3. Basic Concept+ FIRST UT SYLLABUS Ch-4. Social Structure	Make a File on any one topic: a. The problem of Child Labour or b. Children and Beggary
3.	SEP- NOV.	II UNIT TEST	Ch-5. Social Problems Ch-6. Indian Sociologists Complete Syllabus	Make a project on the given topic: A. Rural Society in India or the Village in India B. Biographical Sketch of any one of the thinkers -Weber, Comte, Srinivas, Ghurye etc
4.	DEC- FEB.	FINAL EXAM	Complete Syllabus & Remedial Classes & Revision	Model Test Paper solution

SUPW				
S.NO	MONTHS	TEST / EXAM	CHAPTERS	ACTIVITY / PROJECT
1.	JUNE-OCT		1. Tree planting/Medicinal plants. 2. Stitch a mask by old and clean cotton cloth and write method of preparation in a file. 3. Precautions to be taken for Health and Hygiene (write in a file)	Make a File with proper data and record
2.	NOVEMBER		Project Work	

HINDI				
S.NO.	MONTH	TEST/EXAM	CHAPTERS	Activity / Project
1.	JUNE-JULY	I UNIT TEST	गद्य संकलन-पुत्र प्रेम। काव्य मंजरी-साखी। व्याकरण-मुहावरे ,वाक्य शुद्धीकरण।	परियोजना कार्य। साहित्य भाग-सुभद्रा कुमारी चौहान का साहित्यिक परिचय। गौरी पाठ का सारांश। पाठ का संदेश। (कम से कम 10 पेज में काम पूरा होना चाहिए।) व्याकरण भाग- निबंध- "परिश्रम का महत्त्व।" लगभग 700 शब्दों में तर्क सहित कथन को सिद्ध करें। (कम से कम 10 पेज में काम पूरा होना चाहिए।)
2.	AUGUST		गद्य संकलन-गौरी ,शरणागत ,पुत्र प्रेम । काव्य मंजरी-बाललीला ,एक फूल की चाह ,साखी । सारा आकाश-खण्ड एक से पाँच।(पूर्वार्द्ध) व्याकरण-मुहावरे ,वाक्य शुद्धीकरण ,निबंध ,कहानी ,अपठित गद्यांश।	
3.	SEPTEMBER-NOVEMBER	II UNIT TEST	गद्य संकलन-,सती। काव्य मंजरी- आह! धरती कितना देती है। व्याकरण-मुहावरे ,वाक्य शुद्धीकरण।	
4.	DECEMBER FEBRUARY	ANNUAL EXAM	गद्य संकलन-गौरी ,शरणागत ,पुत्र प्रेम ,सती ,आउट साइडर। काव्य मंजरी-बाललीला ,एक फूल की चाह ,साखी, आह! धरती कितना देती है, नदी के द्वीप। व्याकरण-मुहावरे ,निबंध ,अपठित गद्यांश ,वाक्य शुद्धीकरण , कहानी। पूरे पाठ्यक्रम का पुनः अभ्यास कराया जाएगा।	