

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

ENGLISH LANGUAGE				
S.NO.	MONTH	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1	APRIL- MAY	I UNIT TEST	1. Simple, Compound and complex sentences 2. Directed writing (Proposal Writing and Article writing) 3. Phrasal Verbs 4. Comprehension, Composition, 5. Subject Verb Agreement	Practice Sheets of Exercises Oral and Aural Skills
2.	JUNE- AUGUST	II UNIT TEST PRE-BOARD I	1. Tenses and their use 2. Active and Passive Voice 3. Conditional Sentences 4. Direct and Indirect Speech 5. Homophones 6. Report writing, Proposal Writing 7. All Functional Grammar 8. Complete syllabus	Practice of Report Writing and Proposal Writing
4.	SEPT- NOV	PRE BOARD II	• Complete Syllabus	Practice worksheets and specimen papers
5.	DECEMBER - FEBRUARY	ANNUAL EXAM	Remedial Classes, Feedback of Pre Board II + Complete Syllabus	

ENGLISH LITERATURE				
S.NO.	MONTH	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1.	APRIL- MAY	I UNIT TEST	Prose: The Story of an Hour Poetry: The Darkling Thrush	Project work
2.	JUNE- AUGUST	HALF YEARLY	Play : Act 3 and Act 4 complete Prose: Ch.1The Singing Lesson Ch. 2 The Sound Machine Ch.3 To Build a Fire Poetry: Ch.1 Crossing the Bar Ch.2 Dover Beach Ch.3 Birches +I UT syllabus	Suggested assignments

4.	SEPT- NOV	PRE-BOARD – I	Play- Act 5 + complete syllabus Prose- B.Wordsworth+ complete syllabus Poem-We are the Music Makers + complete syllabus	Project work and sample papers
5.	DECEMBER - FEBRUARY	PRE-BOARD – II	Remedial Classes + Sample papers + Revision+ Complete Syllabus	

MATHEMATICS				
S.NO.	MONTH	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1	APRIL- MAY	I UNIT TEST	1. Determinants 2. Inverse Trigonometric Functions, 3. Matrices	Write all Formulae related to I.T.F. in A4 Size Sheets
2.	JUNE- AUGUST	HALF YEARLY	4. Relations and Functions 5. Differentiability, 6. Indeterminate Forms 7. Applications of Derivatives, 8. Applications of Calculus in commerce and economics, 9. Linear Regression 10. Integrals 11. Differential Equations,	Write All Formulae Related to Differentiation in A4 Size Sheets and Solve ISC board 2018 and 2019 questions related to chapters from 1 to 6 (in your notebook)
4.	SEPT- NOV	PRE BOARD I	12. Probability, 13. Linear Programming, 14.. Vectors, 15.. Three Dimensional Geometry, 16. Applications of Integrals + (complete syllabus)	Revise & Practice whole syllabus for Annual Exams
5.	DECEMBER - FEBRUARY	PRE BOARD II	Complete Syllabus	

PHYSICS				
S.NO.	MONTH	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1	APRIL-MAY	I UNIT TEST	Ch.1. Electric charges and fields Ch.2. Gauss' theorem Ch.3. Electric potential and P.E	June - Project file on the given topic(any one) :1) Electrostatics, 2) current electricity, 3) Magnetism 4) Optics 5) waves 6) Atoms and nuclei 7) Electronic Devices 8) Communication system

2.	JUNE- AUGUST	HALF YEARLY	<p>Ch.4. Capacitors and dielectrics Ch.5. Electric Resistance and ohm's law Ch.6. D C Circuits & Measurements Ch.7. Moving charges & magnetic effect of current Ch.8. Torque on a current loop Ch.9. Magnetic Classification of Substances Ch.10. Electromagnetic Induction Ch.11. Alternating Currents</p> <p>Ch.12. Electromagnetic Waves, Ch.13. Spherical Mirrors Ch.14. Refraction of Light at spherical Surface Ch.15. Refraction and Dispersion of Light Ch.16. Optical instrument.</p>	Practical's based on Electricity & Ray Optics
3.	SEPT- NOV	PRE-BOARD I	<p>Ch.17. Wave Nature of light Ch.18. Interference of Light Ch.19. Diffraction of Light Ch.20. Polarization of Light Ch.21. Photo electric Effect Ch.22. Matter waves Ch.23. Atom, Origin of spectra : Bohr's theory Ch.24. Nuclear Structure Ch.25. Radioactivity Ch.26. Mass-Energy Equivalence Ch.27. Nuclear Fission & Fusion Ch.28. Semi Conductors Electronics Ch.26. Semi conductor Ch.27 Junction diode Ch.28 Transistor Ch.29 Computer Ch.30 Communication System</p>	Project given by the teacher: Assignments
4.	DECEMBER - FEBRUARY	PRE BOARD II	Complete Syllabus	

CHEMISTRY				
S.NO.	MONTH	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1	APRIL-JUNE	I UNIT TEST	2.Solution 10.Haloalkanes and Haloarenes	Make project on topic given by teacher, Identification of inorganic mixture
2.	JUNE-AUGUST	HALF YEARLY	9.Co-ordination compounds 4.chemical kinetics 1.solid state 5.surface chemistry 7.P-block Elements 11.Alcohol,phenol and Ethers 12.Aldehydes, ketones and carboxylic acid 15.polymers 6.General principles and processes of isolation Of elements 3.Electrochemistry	Identification of organic mixture
4.	SEPT- NOV	PRE BOARD I	8.d-and f-block elements 13.organic compounds containing nitrogen 14.Biomolecules 16.chemistry in everyday life Complete Syllabus	Identification of inorganic mixture, Titration
5.	DECEMBER - FEBRUARY	PRE BOARD II	Complete Syllabus	

BIOLOGY				
S.NO.	MONTH	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1	APRIL-MAY	I UNIT TEST	CH-1 Reproduction in organism CH-2.Sexual reproduction in flowering plants. CH-3 .Human reproduction CH-4 Reproductive health.	SPOTTING- (All permanent slides and specimens)
2.	JUNE- AUGUST	HALF YEARLY	CH-5. Principle of inheritance and variation. CH-6. Molecular basis of inheritance CH-7. Evolution. CH-8. Human health and diseases. CH-9 .Strategies for enhancement in food production. CH-10.Microbes in human welfare + UT-1 Syllabus	2.Preparation of temporary slides. 3.TAXONOMY- (I) Malvaceae. (ii)Solanaceae (III)Leguminosae (IV) Liliaceae 3.Extraction of DNA from plant. (Banana or Papaya). 4. To Study the effect of enzyme at three different temp. & PH on starch sol. 5. Study of soil from two

				different sites 7. Study of arrangement of stomata in monocot and dicot leaves. 8.Slide Preparation— a)T.S.of ovary of available flower, T.S. of hydrophyte stem, T.S. of xerophyte leaf, L.S. of Monocot and Dicot seed 9.Comment upon ecological adaptation of plants and animals. 10.Flowers adapted to pollination by different agencies - insect &wind.
3.	SEPT-NOV	PRE BOARD I	CH- 11.Principles and processes of biotechnology. CH-12.Biotechnology and its applications. CH-13 .Organism and population CH-14 Ecosystem. CH-15 Biodiversity and conservation CH-16 Environmental issues. + UT-1 and Half yearly syllabus	Revision of practicals.
4.	DEC- FEB	PRE BOARD II	Complete syllabus + Revision for Pre board -II	Revision of practical.

COMPUTER SCIENCE				
S.NO.	MONTH	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1.	APRIL-MAY	UNIT TEST I	Ch-1 Boolean Algebra	Write all Boolean laws along with proof.
2.	JUNE- AUG	Half Yearly	Ch- 2 Computer Hardware Ch -3 Objects and Classes Ch -4 Java Revision Tour Ch -5 Primitive Values Types Casting and Expressions Ch-6 Statements, Control Structure and Scope Ch-7 Functions/Methods Ch-8 Arrays and Strings Ch -9 Compiling and Running Java Programs Ch -10 Java Classes	Write the given programming assignments in Lab Manual related to covered topics

			Ch -11 Recursion Ch -12 Inheritance	
3.	SEP-NOV	PRE BOARD I	Ch -13 Simple Data Structure Ch-14 Recursive Data Structure Ch-15 Computational Complexity (complete syllabus)	
4.	DEC-FEB	PRE BOARD II	Complete Syllabus	Write the given programming assignments in Lab Manual related to covered topics

ECONOMICS				
S.NO.	MONTH	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1	APRIL-MAY	I UNIT TEST	Ch 2 Demand and law of demand Ch 3 Theory of Consumer behavior	
2.	JUNE- AUGUST	HALF YEARLY	Ch 4 Elasticity of demand Ch 5 Law of supply and price elasticity of supply Ch 6 Market Mechanism : Equilibrium price and quantity in a competitive market. Ch 7 Laws of Returns- Returns to a factor and Returns to Scale Ch 8 Cost and Revenue Analysis Ch 9 Forms of Market. Ch10 Producer's Equilibrium Ch 11 Determination of Equilibrium price and output under perfect competition. Ch12 Theory of income and employment Ch 13 Money: meaning and functions Ch 14 Banks: Commercial Bank and Central Bank Ch 15 Balance of payment and Exchange rate Ch 16 Fiscal Policy Ch 17 Government Budget	Study a public sector enterprise with reference to its relevance to the Indian economy and its future prospects .Analyse the trend of its growth for the last ten years
3.	SEPT-NOV	PRE-BOARD 1	Ch18 National Income and circular flow of income Ch19 National income Aggregates Ch 20 Methods of measuring national income. Project submission & Revision	Compare the contribution made by different sectors of the economy towards GDP growth during the planning period

4.	DEC- FEB	PRE BOARD II	complete syllabus+ Revision for Pre-Board-II	
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ACCOUNTS				
S.NO.	MONTH	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1	APRIL-MAY	I UNIT TEST	Section B Unit1. Partnership Accounts Ch. 1.Fundamentals of partnership	Project 1:- take a balance sheet of any reputed company and compare it from previous year and prepare comparative and common size statement
2.	JUNE- AUGUST	HALF YEARLY	Section B Unit1. Ch. 2 Reconstitution of partnership 1).Admission 2).Valuation of good will 3) Retirement and death of a partner Section A Chap 4) Dissolution of a Partnership Section A Unit 3. Financial Statement of companies. Section B Unit 4 1) Financial Statement Analysis. 2) Tools for Financial Analysis: Comparative Statement. 3) Common Size Statement.	Project 2:- Open a partnership firm in your name based on fundamental of partnership as specified in council Syllabus.
3.	SEPT- NOVEMBER	PRE-BOARD 1	Unit 3. Joint stock company accounts. 1) Issue of shares, 2) Issue of Debentures, 3) Redemption of Debentures Section B Unit 5. Cash flow Statement Unit 6. Ratio Analysis. Revision for Pre-Board-I	Brief Study of Top MNC 's of India
4.	DECEMBER- FEBRUARY	PRE BOARD II	complete syllabus+ Revision for Pre-Board-II	

COMMERCE				
S.NO.	MONTH	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1	APRIL-MAY	I UNIT TEST	Ch.1. Business Environment	

2.	JUNE- AUGUST	HALF YEARLY	Ch.2. Capital-Fixed and Working Ch.3. Sources of Finance for a Joint Stock Company Ch.4. Banking Ch.5. Management-Meaning, Nature and Importance Ch.6. Principles of Management Ch.7. Functions of Management and Coordination Ch.8. Planning	Write down the procedure to open a saving account in any
3.	SEPT-NOV	PRE-BOARD 1	Ch.9. Organising Ch-10 Staffing Ch.11. Directing Ch.12. Controlling Ch.13. Marketing Ch.14. Marketing Mix Ch.15. Consumer Protection	commercial bank .Also mention Various types of accounts one can open in Commercial banks. • SWOT ANALYSES Select any joint stock company Give introduction of a company. Then analyse its strength ,weakness, opportunity and threat. Use separate pages for each heading
4.	DECEMBER- FEBRUARY	PRE BOARD II	complete syllabus+ Revision for Pre-Board-II	

PHYSICAL EDUCATION				
S.NO.	MONTH	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1.	APRIL-MAY	UNIT - I	(Section-A) Ch-1- Sociological Aspects of Physical Education Ch-2- Training Methods (Section-B) Ch-1- Cricket laws	Practical assessment and cricket project
2.	JUNE- AUGUST	HALF YEARLY	(Section-A) Ch-3- Career Aspects in Physical Education Ch-4- Competitions and Tournaments (Section-B) Ch-1- Cricket laws Ch-2- Football laws + U.T - 1	Practical assessment and football project

3.	SEP-NOV	PRE-BOARD - I	(Section-A) Ch-5- Health Education and Health Problems Ch-6 - Sports Injuries and First Aid (Section-B) Ch-1- Cricket laws Ch-2- Football laws Ch-3- Badminton laws + Complete Syllabus	Physical Efficiency Test
4.	DECEMBER – FEBRUARY	PRE-BOARD - II	Complete Syllabus	Practical assessment, Viva and Physical test

HISTORY				
S.NO.	MONTH	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1	APRIL-MAY	I UNIT TEST	Indian History 1. Towards Independence and Partition: The Last Phase(1935-1947) 2. Establishment and Development of Indian Democracy(1947-1966)	Write a detail summary of partition in your class work register.
2.	JUNE-AUGUST	HALF YEARLY	Indian History 3. Challenges to Indian Democracy(1964-1977) 4. Changing Face of the Indian Democracy(1977-1986) 5. India's Foreign Policy World History 6. Movements of Women Right 7. World War-II 8. Decolonisation in Asia(China) and Africa(Ghana and Kenya) 9. Cold War 1945-1991	Make a file on any topic given in holiday homework. Oral and Written practice of previous board question papers.
4.	SEPT - NOV	PRE BOARD I	World History 10.Protest Movements(Civil Rights Movement ,Anti Apartheid Movement and Feminist Movement) 11.Middle East: Israel-Palestine Conflict (1916-1993) Complete Syllabus	Model Test Paper solution
5.	DECEMBER-FEBRUARY	PRE BOARD II	Complete Syllabus & Remedial Classes & Revisions	Model Test Paper solution.

SOCIOLOGY				
S.NO.	MONTH	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1	APRIL-MAY	I UNIT TEST	Ch-1. Social Institutions	

2.	JUNE- AUGUST	HALF YEARLY	Ch-2. Religion and Society Ch-3. Political Organization Ch-4. Economic Organization 5. Tribal India (Past-Present and Future) Ch-6. Social Stratification Ch-7. Social change and Development	Make a file on the topic: Different marriage customs (Comparison can also be done) Make a project on the given topics: (i) Changing nature of Indian family. (ii) The changing status of women in India
4.	SEPT - NOV	PRE BOARD I	Complete syllabus	
5.	DECEMBER- FEBRUARY	PRE BOARD II	Complete Syllabus	

SUPW				
S.NO.	MONTH	TEST/EXAM	CHAPTERS	ACTIVITY/PROJECT
1	APR- 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		INTERNAL ASSESSMENT	Project work

HINDI				
S.NO.	MONTH	TEST/EXAM	CHAPTERS	Activity / Project
1	APRIL- MAY	I UNIT TEST	पुस्तक- गद्य संकलन। काव्य मंजरी। सारा आकाश। व्याकरण मंजूषा गद्य संकलन-क्या निराश हुआ जाए, दासी। व्याकरण-अपठित गद्यांश मुहावरे वाक्य शुद्धीकरण।	परियोजना कार्य। साहित्य भाग- महादेवी वर्मा का साहित्यिक परिचय। भक्तिन पाठ का सारांश। पाठ का संदेश। (कम से कम 10 पेज में काम पूरा होना चाहिए।)
2.	JUNE- AUGUST	HALF YEARLY	गद्य संकलन-भक्तिन, संस्कृति क्या है, पुत्र-प्रेम, गौरी, शरणागत, सती, आउटसाइडर, क्या निराश हुआ जाए, दासी, मजबूरी। पाठ-1 से 10 काव्य मंजरी-साखी, बाललीला, एक फूल की चाह, जाग तुझको दूर जाना, उद्यमी नर, बादल को धिरते देखा है, नदी के द्वीप, आह धरती कितना देती है, तुलसीदास के पद, अंधेरे का दीपक। सारा आकाश-पूरा उपन्यास। कविताएँ- 1 से 10 व्याकरण-अपठित गद्यांश, मुहावरे, वाक्य शुद्धीकरण, निबंध, कहानी लेखन।	व्याकरण भाग- "जब पैसा बोलता है तो सत्य चुप हो जाता है।" लगभग 700 शब्दों में तर्क सहित कथन को सिद्ध करें। (कम से कम 10 पेज में काम पूरा होना चाहिए।)

		PROJECT WORK	परियोजना कार्य का आंतरिक एवं बाह्य निरीक्षण कार्य होगा।	
3	SEPT-NOVEMBER	PRE BOARD I	संपूर्ण पाठ्यक्रम।	
4	DECEMBER JANUARY	PRE BOARD II	संपूर्ण पाठ्यक्रम।	