ST. MICHAEL'S SR. SEC. SCHOOL SYLLABUS 2024-25 CLASS: 12

PERIODIC TEST -1

ENGLISH	MATHS	PHYSICS
The Last Lesson, Third Level	Chapter 3 : Matrices	Unit 2 Current Electricity
Formal Invitation, Reading Comprehension	Chapter 4 : Determinants	
CHEMISTRY	**BIOLOGY**	**COMPUTER SCIENCE**
HALOALKANES AND HALOARENES	Chapter 1 - Reproduction in plants.	Ch-1 Review of Python Basics
ALCOHOLS, PHENOLS AND ETHER	Chap. 2. Human Reproduction	**ACCOUNTS**
		Partnership accounting
ECONOMICS	**PHYSICAL EDUCATION**	- Fundamentals
Unit-National Income and Related Aggregates (EXCEPT MEASUREMENT OF NATIONAL INCOME)	Ch-1: Management of Sporting Events	
		INFORMATICS
		Data Handling using Pandas-I using Series
BUSINESS STUDIES		- Creating and deleting elements in Series, Selection, Indexing, Slicing
chapter 1-Nature and Significance of Management		- head and tail functions
Chapter -2 Principles of Management		- creating series from ndarray,dictionary,scalar, mathematical
		operations

MID TERM AUGUST

ENGLISH	MATHS	PHYSICS
Reading- Unseen passages	Chapter 1 : Relations and Functions	Unit 1 Electrostatics
Writing- Notice Writing, Formal Invitations/Reply	Chapter 2 : Inverse Trigonometric Functi	Unit 2 Current Electricity
Job Application , Article Writing.	Chapter 3 : Matrices	Unit 3 Magnetic effects of Current & Magnetism
Literature:Flamingo- The Last Lesson,	Chapter 4 : Determinants	Unit 4 EMI
Lost Spring, Deep Water, The Rattrap,	Chapter 5 : Continuity and Differentiability	
My Mother at Sixty Six, Keeping Quiet,	Chapter 6 : Application of Derivatives	
A Thing of Beauty.		
Vistas- The Third Level, The Tiger King,		
Journey to the end of the Earth.		
Assessment of Speaking and Listening		
Skills- Project Work.		

MIDTERM (August)		
CHEMISTRY	**BIOLOGY**	**COMPUTER SCIENCE**
Solutions	Chap. 1. Reproduction in Plants	1. Review of Python Covered in Class XI
Electrochemistry	Chap. 2. Human Reproduction	2. Functions
d and f block elements	Chap. 3 Reproductive Health.	3. Exception Handling
Haloalkane and Haloarene	Chap. 4. Principles of Inheritance and Va	4. Data Fle Handling (Full Chapter)
Alcohol ,Phenol and Ethers	Chap. 5. Molecular Basis of Inheritance.	
ECONOMICS	**PHYSICAL EDUCATION**	**ACCOUNTS**
Part A- Macroeconomics	Ch-1: Management of Sporting Events	accounting for partnership firm
National Income and Related Aggregates	Ch-10: Training in Sports	
Money and Banking	Ch-6: Test & Measurement in Sports	
Government Budget and the Economy	Ch-7: Physiology and Injuries in Sports	
Part B- Indian Economic Development	Ch-5: Sports and Nutrition	
Unit-1 Development Experience (1947-90)		
and Economic Reforms since 1991		
Human Capital Formation		

MIDTERM (CONTINUED)		
BUSINESS STUDIES	**INFORMATICS**	
	Unit 1: Data Handling using Pandas -I	
	Introduction to Python libraries- Pandas, Matplotlib.	
Unit 1. Nature and Significance of Management Unit 2. Principles of Management Unit 3. Business Environment Unit 4. Planning Unit 5. Organising Unit 6. Staffing	Data structures in Pandas - Series and Data Frames.	
	Series: Creation of Series from – ndarray, dictionary, scalar value; mathematical operations; Head and Tail functions; Selection, Indexing and Slicing.	
	Data Frames: creation - from dictionary of Series, list of dictionaries, Text/CSV files; display; iteration; Operations on rows and columns: add, select, delete, rename; Head and Tail functions; Indexing using Labels, Boolean Indexing;	
MORAL SC	Importing/Exporting Data between CSV files and Data Frames.	
Ch-2 Bridging Gap with Younger Generation		
Ch-3 Prayer Lead to Solutions		
Ch-4 God Makes Everything Possible		
Ch-6 Counselling: A Gateway of Strength		
Project - Ch. 1 & 5		

PREPARATORY EXAM DECEMBER		
ENGLISH	**MATHS**	**PHYSICS**
Reading- Unseen passages,	Chapter 7 : Integrals	Unit 4 EMI and AC
Writing- Notice, Informal Invitation and Reply,	Chapter 8 : Application of Integration	Unit 5 E.M.Waves
Letter to the Editor, Report Writing	Chapter 9 : Differential Equations	Unit 6. Optics
Literature- Indigo, Poets and Pancakes,	Chapter 10 : Vector Algebra	Unit 7 Dual nature of matter & Radiation
The Interview, Going Places, A Roadside Stand,	Chapter 11 : 3 Dimensional Geometry	Unit 8 Atomic Nucleii
Aunt Jennifer's Tigers, The Enemy, On the Face	Chapter 12 : Linear Programming	Unit 9 Electronic Devices
of It, Memories of Childhood	Chapter 13: Probability	
CHEMISTRY	**BIOLOGY**	**COMPUTER SCIENCE**
DAND F BLOCK ELEMENTS	Chapter 6. Evolution	1. Review of Python Covered in Class XI
BIOMOLECUELS	Chapter 7. Human Health and Diseases	2. Functions
AMINES	Chapter 8. Microbes in uman Welfare	3. Exception Handling
CHEMICAL KINETICS	Chapter 9. Biotechnology ; Principles and Processes	4. Data Fle Handling (Full Chapter)
COORDINATION COMPOUNDS	Chapter 10. Biotechnology and its Applications	5. Data structure in python
	Chapter 11. Organisms and Populations	6. Computer networks
	Chapter 12. Ecosystems	7. Relational database with SQL

	Chapter 13. Biodiversity and Conservation.	
ECONOMICS	**PHYSICAL EDUCATION**	**ACCOUNTS**
Unit 1-National Income and Related Aggregates	Ch-3: Yoga as Preventive Measure for Lifestyle Disease	Accounting - companies
Unit 2- Money and Banking	Ch-2: Children and Women in Sports	Analysis of financial statement
Unit 3- Determination of Income and Employment	Ch-9: Psychology and Sports	Cash flow statement
Unit 4- Government Budget and the Economy	Ch-8: Biomechanics and Sports	
Unit 5- Balance of Payments	Ch-4: Physical Education for CWSN	
BUSINESS STUDIES	**MORAL SCIENCE**	**INFORMATICS**
Unit 3. Business environment	Ch. 8 Decision-Indecision	Data Visualization
Unit 4. Planning	Ch. 9 What Fashion Means to the Youth	Purpose of plotting; drawing and saving following types of plots using Matplotlib – line plot, bar graph,
Unit 5. Organising	Ch. 11 What Adolescents Go Through	
Unit 6. Staffing	Ch. 13 Take Criticism Positively	histogram
Unit 7. Directing	Project: Ch. 10 & 14	Customizing plots: adding label, title, and legend in plots.
Unit 8. Controlling		Review of database concepts and SQL
Unit 9. Financial Management		Database query using SQL
Unit 10. Financial Markets		Computer networks
Unit 11. Marketing Management		Societal Impacts
Unit 12. Consumer Protection		
PREBOARD (JANUARY)		
ALL MAIN SUBJECT EXAMINATION WILL BE ACCORDING TO CBSE		