



# Mount St. Patrick Academy

## Syllabus for the Academic Year 2024-25

### Grade- XI

#### **English I**

**English Language (Paper 1)**

**TEXT: Total English 11 ISC (by Morning Star)**

**TERM I: Units 1 to 7 (Total English)**

1. Descriptive Composition
2. Narrative Composition
3. Argumentative Composition
4. Expository Composition
5. Persuasive
6. Story Writing
7. Directed writing:
  - i. Feature article,
  - ii. Book Review,

- Comprehension
- Grammar:
  - i. Transformation of Sentences
  - ii. Prepositions
  - iii. Tenses
  - iv. Subject verb Agreement
  - v. Finite & Non-Finite Verbs

**TERM II: Units 1 to 15 (Total English)**

1. Descriptive Composition
2. Narrative Composition
3. Argumentative Composition
4. Expository Composition
5. Persuasive
6. Story Writing
7. Directed writing:
  - i. Feature Article,
  - ii. Book Review,
  - iii. Speech Writing,
  - iv. Newspaper Report and
  - v. Statement of Purpose.

- Comprehension
- Grammar:
  - i. Transformation of Sentences
  - ii. Prepositions
  - iii. Tenses
  - iv. Subject verb Agreement
  - v. Finite & Non-Finite Verbs

## **English II**

**Text Book : Prose: Prism: A Collection of ISC Short Stories**

**Publications :Evergreen**

**Poetry: Rhapsody:A Collection of ISCPoems**

**Publications :Evergreen**

**Publications :Macbeth (Morning Star )**

### **TERM I**

Drama: Macbeth Act I

Prose: 1. A Living God

2. Advice to Youth

3. The Paper Menagerie

Poetry: 1. Abhisara- the tryst

2. Why I like the hospital

3. Sonnet 116

### **TERM II**

Drama: Macbeth Act II

Prose: 4. The Great Automatic Grammatizator

5. Thank You Ma'am

Poetry: 4. Death of a Naturalist

5. Strange Meeting

## **Physical Education**

**Text Book: Physical Education**

**Publication :Saraswati**

### **TERM I**

- L. 1. Concept of physical education
- L. 2. Individual aspects and group dynamics
- L. 3. Effects of physical exercise on human Body system
- Physical efficiency Test (Practical)
- Games:- Basketball, Football, Cricket

### **TERM II**

- L. 4. Nutrition weight control and exercise
- L. 5. Physical fitness and wellness
- L. 6. Games and sports- A global perspective
- Project file (any two games)
- Games:- Basketball, Football, Cricket

## **Mathematics**

**Text Book: ISC Mathematics-  
Publication : - S Chand Publisher**

### **TERM 1**

1. Sets
2. Relations and Functions
3. Angles and Arc lengths
4. Trigonometrical Functions
5. Compound and Multiple Angles
6. Trigonometric Functions
7. Properties of Triangle
8. Limits
9. Differentiation
10. Measures of Central Tendency
11. Measures of Dispersion
12. Statistics
13. Correlation Analysis
14. Index numbers
15. Moving Average

### **TERM II**

16. Probability
17. Complex numbers
18. Quadratic Equations
19. Inequalities
20. Permutations and Combinations
21. Sequences and Series
22. Binomial Theorem

23. Basic concepts of points and their coordinates

24. The Straight line

25. Circle

THIS IS A TENTATIVE SYLLABUS AND CHANGES WILL BE INTIMATED IN  
THE CLASS

IF ANY.

## **PHYSICS**

**Text Book:**ISC Physics XI (Nootan)

**Publication :**Nagin prakashan

### **TERM I**

*Unit 1*-Physical World and Measurement

Unit 2 – Kinematics

Unit 3 – Laws of Motion

Unit 4- Work, Energy and Power

Unit 5- Motion of System of Particles and Rigid Body

Unit 6 – Gravitation

### **TERM II**

Unit 7 – Properties of Bulk Matter

Unit 8\_– Heat and Thermodynamics

Unit 9- Behavior of Perfect Gas and Kinetic Theory of Gases

Unit 10- Oscillations and waves

## **Chemistry**

**Text Book:**ISC Chemistry XI (Nootan)

**Publication :**Nagin prakashan

### **TERM I**

Unit 1- Some Basic Concepts of Chemistry

Unit 2-Structure of atom

Unit 3- Classification of Elements and Periodicity in Properties

Unit 4- Chemical Bonding and Molecular Structure

### **TERM II**

Unit 5: Chemical Thermodynamic

Unit 7-Equilibrium

Unit 8-Redox reaction

Unit 8-Organic Chemistry: Some basic Principles and Techniques

Unit 13- Hydrocarbons

**Biology:**

**Text Book: ISC Biology XI (Nootan)**

**Publication : Nagin Prakashan**

**TERM I**

**UNIT I DIVERSITY IN THE LIVING WORLD**

Chapter 1: The Living World

Chapter 2: Biological Classification

Chapter 3: Plant Kingdom

Chapter 4: Animal Kingdom

**UNIT II STRUCTURAL ORGANISATION IN PLANTS AND ANIMALS**

Chapter 5: Morphology of Flowering Plants

Chapter 6: Anatomy of Flowering Plants

**UNIT III CELL: STRUCTURE AND FUNCTIONS**

Chapter 8 : Cell: The Unit of Life

Chapter 9: Biomolecules

Chapter 10: Cell Cycle and Cell Division

**TERM II**

**UNIT V HUMAN PHYSIOLOGY**

Chapter 17: Breathing and Exchange of Gases

Chapter 18: Body Fluids and Circulation

Chapter 19: Excretory Products and their Elimination

Chapter 20: Locomotion and Movement

Chapter 21: Neural Control and Coordination

Chapter 22: Chemical Coordination and Integration

**UNIT IV PLANT PHYSIOLOGY**

Chapter 13: Photosynthesis in Higher Plants

Chapter 14: Respiration in Plants

Chapter 15: Plant Growth and Development



## **GRADE - XI (COMMERCE)**

### **COMMERCE**

**Text Book: ISC Essentials of Commerce  
Publication :Sultan Chand Publications**

#### **TERM I**

- Unit – 1. Nature and Purpose of Business
- Unit – 2. Forms of Business Organizations
- Unit – 3. Social Responsibilities
- Unit – 4. Emerging Modes of Business

#### **TERM II**

- Unit – 5. Stock Exchange
- Unit– 6. Trade
- Unit – 7. Foreign Trade
- Unit - 8. Insurance

## **ECONOMICS**

**Text book :Frank bros & co**

**Publication :Frank ISC Economics**

### **TERM I**

Chapter – 1. Definition of Economics Insurance

Chapter – 2. Basic Concepts of Economics

Chapter – 3. Basic Problems of an Economy

Chapter – 4. Types of Economies

Chapter – 5. Solutions to Basic Problems Under Different Economic System

Chapter – 6. Economic Growth and Development

Chapter – 7. Parameters of Development

Chapter – 8. Sustainable Development

### **TERM II**

Chapter – 9. Structural changes in Indian Economy after liberalisation

Chapter – 10. Problem of Poverty in India

Chapter – 11. Problem of Unemployment in India

Chapter – 12. Classification, Organization and Presentation of Data

Chapter – 13. Measures of Central Value

Chapter – 14. Measures of Dispersion

Chapter – 15. Correlation

Chapter – 16. Index Numbers

Chapter – 17. Some Mathematical Tools used in economics

## **COMPUTER SCIENCE**

**Text Book: Computer Science XI**

**Publication :Arya APC**

### **TERM I**

CHAPTER 1- NUMBERS

CHAPTER 2- ENCODING

CHAPTER 3 – UNIT II – LOGIC GATES

CHAPTER 4 – INTRODUCTION TO JAVA LANGUAGE

CHAPTER 8 –CHARACTER HANDLING AND STRING MANIPULATION

CHAPTER 9 – ARRAYS – SINGLE AND DOUBLE DIMENSION

### **TERM II**

CHAPTER 5 – CONCEPT OF DATA TYPES

CHAPTER 6- OPERATORS AND EXPRESSION

CHAPTER 7 – CONDITIONAL AND LOOPING STATEMENT

CHAPTER 10 – METHODS AND CONSTRUCTORS

CHAPTER 13 – IMPLEMENTATION OF ALGORITHMS TO SOLVE PROBLEMS

CHAPTER 14 – PACKAGES

CHAPTER 15- TRENDS IN COMPUTING AND ETHICAL ISSUES

## **ACCOUNTANCY**

**Text Book: T.S Grewal's Double Entry Book Keeping**  
**Publication :Sultan Chand**

### **TERM I**

1. Introduction to Accounting
2. Accounting Terminology
3. Accounting Equations
4. Journal
5. Ledger
6. Petty cash Book
7. Trial Balance

### **TERM II**

8. Accounting concepts
9. Final Accounts
10. Depreciation
11. Bills of Exchange
12. Non-Trading Organization
13. Rectification of Errors