

SYLLABUS FOR ACADEMIC SESSION(2017-18)

CLASS –XI C

PHYSICS

INDEX

CHAPTER NO.	TOPIC
1	PHYSICAL WORLD
2	UNITS AND MEASUREMENT
3	MOTION IN A STRAIGHT LINE
4	MOTION IN A PLANE
5	LAWS OF MOTION
6	WORK, ENERGY AND POWER
7	SYSTEMS OF PARTICLES AND ROTATIONAL MOTION
8	GRAVITATION
9	MECHANICS OF SOLIDS
10	MECHANICS OF FLUIDS
11	KINETIC THEORY OF GASES
12	THERMODYNAMICS
13	HEAT TRANSFER
14	OSCILLATIONS
15	WAVES

SYLLABUS DISTRIBUTION

1. FIRST QUARTERLY: CHAPTERS: 1,2.
2. HALY YEARLY : CHAPTERS: 1,2,3,4,5,6,7,8,9.
3. THIRD QUARTERLY: CHAPTERS: 8,9,10,11.
4. FINAL EXAM : CHAPTERS: Entire Syllabus

Chemistry syllabus 2017-18
(Class 11th C)

CHAPTER NO.	CHAPTER NAME
1	Some basic concept of chemistry
2	Structure of atom
3	Classification of elements and periodicity in properties
4	Chemical bonding
5	States of matter
6	Thermodynamics
7	Chemical equilibrium
8	Redox reactions
9	Hydrogen
10	S-block elements
11	P- block elements
12	Organic chemistry-Some basic principles and techniques
13	Hydrocarbons
14	Environmental chemistry

First Quarterly:- Chapters 1,2 & 3

Half Yearly :- Chapters 1,2,3,4,5,6,7 & 8

Third Quarterly:- Chapters 7,8,9 & 10

Final Exam:- Entire Syllabus

CLASS 11 BIOLOGY

1st QUARTERLY: Chapter 1-3

Half Yearly: Chapter 1-3,5,6,8,9,10,11,12,13,15

3rd QUARTERLY: Chapter 12,13,4,7,14

FINAL EXAMINATION: Chapter 1-22

Mount St. Mary's School
Economics Syllabus
Class XI Academic Session 2017-18
First Quarterly

Part A : STATISTICS

Chapter 1: Introduction

Chapter 2: Collection Of Data

Chapter 3: Organisation Of Data

Part B : INDIAN ECONOMIC DEVELOPMENT

1. Poverty

Half Yearly

PART A: STATISTICS

1. Introduction
2. Collection of Data
3. Organisation of Data
4. Tabular Presentation
5. Diagrammatic Presentation
6. Graphical Presentation

PART B : INDIAN ECONOMIC DEVELOPMENT

1. Poverty
2. Unemployment
3. Rural development
4. Inflation
5. Human capital formation
6. Infrastructure
7. Environment and sustainable development

Third Quarterly

PART A: STATISTICS

1. Measures of Central Tendency
2. Measures of dispersion

PART B : INDIAN ECONOMIC DEVELOPMENT

1. Unemployment

Final Exam

PART A: STATISTICS

1. Introduction
2. Collection of Data
3. Organisation of Data
4. Tabular Presentation
5. Diagrammatic Presentation
6. Graphical Presentation
7. Measures of Central Tendency
8. Measures of dispersion
9. Correlation
10. Index numbers

PART B : INDIAN ECONOMIC DEVELOPMENT

1. Poverty
2. Unemployment
3. Rural development
4. Inflation
5. Human capital formation
6. Infrastructure
7. Environment and sustainable development
8. India on the eve of Independence
9. Policies pursued till 1991
10. Economic planning
11. Economic Reforms 1991
12. India' comparison with China & Pakistan

CLASS XI – Computer Science

Term I

Computer overview, Operating system and MS DOS, Algorithms & Flow charts, Starting with C++, Concept of C++, Loops in C++, Control statement based programs

Concept of OOPs, Number systems

Functions in C++. Call by value and call by reference

Console operators, Operators and Expressions, Data structures, Standard Library and Header files

Programs on Array – search, sort, updating etc.,

Advanced programs in Array and 2D Array

Data Structure, Object Oriented Programming

Classes & Objects. Inheritance, polymorphism, constructors etc.

Term II

Class based programming, Inheritance, polymorphism, constructors, destructors etc.

Pointers and related output questions

File handling concepts, Data file and Text files, File handling programs through C++.

First Quarterly Test (July)

Computer overview, Algorithms & Flow charts, starting with C++, Concept of C++ programming, Loops in C++, Control statement based programs. Functions in C++. Call by value and call by reference.

Third Quarterly Test (December)

Class based programming, Inheritance, polymorphism, constructors, destructors etc.

Pointers and related output questions , Flow charts

Syllabus 2017-18

Class XI

INFORMATICS PRACTICES (Code 065)

FIRST TERM

UNIT 1: INTRODUCTION TO COMPUTER SYSTEMS

Hardware Concepts and Software Concepts:

Operating systems, Need for operating system, major functions of Operating System, Memory Management;

UNIT 2: INTRODUCTION TO PROGRAMMING

Getting started with Programming using IDE

Introduction, Rapid Application Development using IDE - Integrated Development Environment; Familiarization of IDE using basic Interface components;

Basic component handling methods/attributes

Programming Fundamentals

Variables, Control Structures,

Programming Guidelines

Networking

FINAL TERM

UNIT 3: RELATIONAL DATABASE MANAGEMENT SYSTEM

Introduction to Database Management System

Functions in MySQL:

UNIT 4: IT APPLICATIONS

First Quarterly Periodic Test (July)

1. **Hardware Concepts**
2. **Software Concepts**
3. **Programming Fundamentals**

Half Yearly Test (September)

1. **Hardware Concepts**
2. **Software Concepts**
3. **Programming in Java using NetBeans**
4. **Introduction to DBMS**

Third Quarterly Test (December)

1. **DBMS Concepts**
2. **SQL fundamentals**
3. **SQL Commands**

**BUSINESS STUDIES
SYLLABUS 2017-18
CLASS XI**

First Quarterly

1. Nature and significance of Business
2. Forms of Business Organisation

Half Yearly

Chapters 1 and 2

3. Public, private and global enterprises
4. Business Services
5. Emerging Modes of Business
6. Social responsibilities of Business

Third Quarterly

Chapter 5

7. Sources of Business Finance
8. Small Business

Final

Chapter 1 to 8

9. Internal Trade
10. International Business

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Class: XI

Subject: Accountancy

1st Quarterly:

Chapter 1 – Introduction to Accountancy

Chapter 2- Basic Accounting Terms

Chapter 3- Theory Base of Accounting

Chapter 4 – Basic of Accounting

Chapter 5 – Accounting Equation

Half Yearly:

Chapter 1 to Chapter 5

Chapter 6 – Rules of Debit & Credit

Chapter 7 – Vouchers

Chapter 8 – Journal & Ledger

Chapter 9 – Special Purpose Books- Cash Books

Chapter 10– Special Purpose Books- Subsidiary Books

Chapter 11- Bank Reconciliation Statement

Chapter 12 – Trial Balance

Chapter 13 – Depreciation

Chapter 14- Provisions & Reserves

3rd Quarterly:

Chapter 15- Accounting for Bills & Exchange

Chapter 16 – Rectification of Errors

Chapter 17- Financial Statements of Sole Proprietorship

Chapter 18- Adjustments in Preparation of Financial Statements

Final Term:

Chapter 19- Accounts of Incomplete Records

Chapter 20 – Financial Statements of Not for Profit Organisations

Chapter 21- Computers in Accounting

Project Work- Some portion of Class XII will be covered in Class XI.

ENGLISH- FIRST TERM CLASS 11

Hornbill

1. The Portrait Of A Lady
2. Discovering Tut, The Saga Continues
3. A Photograph
4. The Voice Of The Rain

Snapshots

1. The Summer Of The Beautiful White Horse
2. The Address

3. Albert Einstein at School

Extra Readings: 1) The Background: Saki 2) Games at Twilight by Anita Desai

Writing Skills Note-Making, Notice Writing, Business Letters(Enquiry, Order, Complaint, Cancellation), Invitation- Formal and Informal, Classified Advertisements.

Grammar: Sentence Reordering; Gap Filling; Editing/ Omission; Error Correction

Novel:The Canterville Ghost, Chapters 1-4

First Announced Test

The Portrait of a Lady

A Photograph

Letter Writing, Paragraph Writing, General grammar, Comprehension

First Term Examination : The complete syllabus of the first term.

SECOND TERM

Hornbill

1. The Ailing Planet

2. The Browning Version

3. Childhood

4. Father To Son

Snapshots

1. Mother's Day

2. Birth

3. The Tale Of Melon City

EXTRA READINGS

1. A Model Millionaire by Oscar Wilde

2. The Kitemaker by Ruskin Bond

Writing :Article writing, Application for Job, Speech, Debate

Grammar: Sentence Reordering, Gap Filling, Editing/ Omission, Error Correction

Novel: The Canterville Ghost- The complete novel

Announced Test 2

1. Mother's Day (play)

2. Childhood (poem)

3. General Grammar

4. Writing Skills – Debate, Article, Job Application

Final exam

1. All chapters in syllabus from the books 'Hornbill' and 'Snapshots, complete Canterville Ghost

2. General Grammar

3. All writing skills