

**CLASS-11 BIOLOGY**  
**SYLLABUS 2018-19**

- PRE-TERM : Chapter 1 -3
- HALF YEARLY: Chapter 1 -3 ,5 ,6 ,8,9,10,11,13,15
- POST-TERM : Chapter 4, 7, 12, 13, 14
- FINAL EXAMINATION: Chapter 1-22

**BUSINESS STUDIES**  
**SYLLABUS 2018-19**  
**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
11. Nature and Significance of Management

**Chemistry syllabus 2018-19**  
**(Class 11<sup>th</sup> 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

**Third Quarterly:-** Chapters 7,8 & 12

**Final Exam:-** Entire Syllabus

**Economics Syllabus**  
**Class XI Academic Session 2018-19**

**PRE – TERM EXAMINATION**

Unit 1: Introduction to Microeconomics

Unit 2: Consumer's Equilibrium

Unit 3: Introduction to Statistics

**HALF YEARLY EXAMINATION**

**Part A: INTRODUCTORY MICROECONOMICS**

Unit 1: Consumer's Equilibrium and demand

Unit 2: Producer's behaviour and

**Part B: STATISTICS FOR ECONOMICS**

Unit 3: Collection of data

Unit 4: Organisation of data

Unit 5: Presentation of data

**POST TERM EXAMINATION**

Unit 1: Supply

Unit 2: Mean, Median and Mode

## **FINAL EXAMINATION**

### **Part A: INTRODUCTORY MICROECONOMICS**

Unit 1: Consumer's equilibrium and Demand

Unit 2: Producer Behaviour and supply

Unit 3: Forms of market and price determination under perfect competition

### **Part B: STATISTICS FOR ECONOMICS**

Unit 1: Presentation of Data

Unit 2: Mean, median and mode

Unit 3: Dispersion

Unit 4: Correlation

Unit 5 : Index Numbers

## **Syllabus 2018-19 Class: XI**

### **Subject: Accountancy**

#### **1<sup>st</sup> Quarterly:**

Chapter 1 – Introduction to Accounting

Chapter 2- Basic Accounting Terms

Chapter 3- Theory Base of Accounting

Chapter 4 – Basis of Accounting

Chapter 5 – Accounting Equation

#### **Half Yearly:**

Chapter 1 to 5

Chapter 6 – Rules of Debit & Credit

Chapter 7 – Vouchers

Chapter 8 – Journal & Ledger

Chapter 9 – Special Purpose Books- Cash Book

Chapter 10– Special Purpose Books- Subsidiary Books

Chapter 11- Bank Reconciliation Statement

Chapter 12 – Trial Balance

Chapter 13 – Depreciation

Chapter 14- Provisions & Reserves

### **3<sup>rd</sup> Quarterly:**

Chapter 15- Accounting for Bills of Exchange

Chapter 16 – Rectification of Errors

Chapter 17- Financial Statements of Sole Proprietorship

Chapter 18- Adjustments in Preparation of Financial Statements

### **Final Term:**

Chapter 1 to 18

Chapter 19- Accounts of Incomplete Records

Chapter 20- Computers in Accounting

Project Work-

Some portion of Class XII will be covered in Class XI i.e. from Accounting Ratios

## **MATHEMATICS** **SYLLABUS 2018-19** **CLASS – XI**

### **PRE - TERM**

1. SETS
2. PRINCIPLE OF MATHEMATICAL INDUCTION

### **HALF YEARLY**

1. SETS
2. RELATIONS AND FUNCTIONS
3. TRIGONOMETRIC FUNCTIONS
4. COMPLEX NUMBERS AND QUADRATIC EQUATIONS
5. PRINCIPLE OF MATHEMATICAL INDUCTION
6. THREE DIMENSIONAL GEOMETRY
7. SEQUENCES AND SERIES
8. PERMUTATION AND COMBINATION
9. LINEAR INEQUALITY + LINEAR PROGRAMMING

### **POST – TERM**

1. BINOMIAL THEOREM
2. STRAIGHT LINES
3. CONIC SECTIONS
4. TRIGONOMETRIC FUNCTIONS
5. LINEAR PROGRAMMING

### **FINAL TERM**

1. SETS
2. RELATIONS AND FUNCTIONS

3. TRIGONOMETRIC FUNCTIONS
4. COMPLEX NUMBERS AND QUADRATIC EQUATIONS
5. THREE DIMENSIONAL GEOMETRY
6. PERMUTATION AND COMBINATION
7. LINEAR INEQUALITY + LINEAR PROGRAMMING( CLASS – XII)
8. BINOMIAL THEOREM
9. STRAIGHT LINES
10. CONIC SECTIONS
11. PROBABILITY
12. LIMITS AND DIFFERENTIABILITY
13. CONTINUITY CLASS - XII
14. MATRICES CLASS- XII

**SYLLABUS FOR ACADEMIC SESSION( 2018-19)**

**CLASS –XI**

**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

**CLASS XI SYLLABUS- 2018-19- ENGLISH**

**1. PRE-TERM**

(A) THE PORTRAIT OF A LADY

(B) PHOTOGRAPH

(C) WRITING SKILLS – ARTICLE/LETTER TO THE EDITOR

(D) GRAMMAR – FILL IN THE BLANKS/JUMBLED SENTENCES

## **2. FIRST TERM**

### **HORNBILL**

(A) THE PORTRAIT OF A LADY

(B) PHOTOGRAPH

(C) WE ARE NOT AFRAID TO DIE...

(D) DISCOVERING TUTANKHAMUN

### **SNAPSHOTS**

(A) SUMMER OF THE BEAUTIFUL WHITE HORSE

(B) THE ADDRESS

(C) RANGA'S MARRIAGE

(D) ALBERT EINSTEIN AT SCHOOL

(E) MOTHER'S DAY

### **WRITING SKILLS**

(A) ADVERTISEMENTS, POSTER, NOTICE, INVITATIONS, BUSINESS LETTERS

## **3. POST- TERM**

(A) SILK ROAD

(B) ADVENTURE

(C) WRITING SKILLS- ADVERTISEMENT, POSTER, NOTICE, INVITATION

(D) GENERAL GRAMMAR

## **4. FINAL TERM**

(A) HORNBILL- COMPLETE BOOK

(B) SNAPSHOTS- COMPLETE BOOK

(C) ALL WRITING SKILLS DONE IN TERM I + REPORT, ARTICLE, SPEECH, DEBATE

**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**

**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