

**CURRICULUM 2019-20**  
**CLASS XI**  
**BUSINESS STUDIES**

**TERM I**  
**SYLLABUS FOR FIRST CYCLE (JULY 2019)**

1. Nature and Purpose of Business
2. Forms of Business Organisations (Till Co-operative Societies)

**TERMINAL EXAM (SEPTEMBER 2019)**

1. Nature and Purpose of Business
2. Forms of Business Organisations
3. Public, Private and Global Enterprises
4. Business Services
5. Emerging Modes of Business

**TERM II**  
**SYLLABUS FOR SECOND CYCLE (NOV-DEC 2019)**

6. Social Responsibility of Business and Business Ethics
7. Sources of Business Finance

**ANNUAL EXAM (FEB 2020)**

Complete syllabus covered during First Cycle, Terminal Exam,  
Second Cycle and below mentioned chapters will be included in Annual Exam:

8. Small Business
9. Internal Trade
10. International Business

# **Physical Education-048 Curriculum-2019-2020**

## **Class XI**

### **Term-1**

**April 2019-September-2019**

**Unit-1**

**Changing Trends & Career in Physical Education**

**Unit-2**

**Olympic Value Education**

**Unit-3**

**Physical Fitness, Wellness & Lifestyle**

**Unit-4**

**Physical education & sports for (CWSN) Psychology & Sports**

**Unit-5**

**Yoga**

**Unit-6**

**Physical Activity & leadership training**

**Syllabus for I cycle Exam (July)**

**Chapter 1, 2, 3**

**Syllabus for I Term Exam**

**Syllabus of cycle 1**

**Chapter 4-5 6**

### **Term-2**

**October 2019- February-2020**

**Unit-7**

**Test, Measurement & evaluation**

**unit-8**

**Fundamentals of Anatomy, Physiology & Kinesiology in Sports**

**Unit-9**

**Psychology in Sports**

**Unit-10**

**Training & Doping in Sports**

**Syllabus for II Cycle test (November-December)**

**Syllabus for Annual Exam**

**Complete Syllabus covered during term I and Term II  
will be included in Annual exam**

CLASS XI  
PSYCHOLOGY

TERM I (APRIL-SEPTEMBER):

CHAPTER 1- What is Psychology?

CHAPTER 2- Methods of Enquiry in Psychology

CHAPTER 3- The Bases of Human Behavior

CHAPTER 4- Human Development

TERM II (OCTOBER-FEBRUARY)

CHAPTER 5- Sensory, Attentional and Perceptual Processes

CHAPTER 6- Learning

CHAPTER 7- Human Memory

CHAPTER 8- Thinking

CHAPTER 9- Motivation and Emotion

**CURRICULUM 2019-20**

**CLASS XI**

**POLITICAL SCIENCE**

**TERM I**

**(April-September 19)**

<b>Chapter No.</b>	<b>Chapter Name</b>
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**POLITICAL THEORY (Book 1)**

- |    |                                   |
|----|-----------------------------------|
| 1. | Political theory; an introduction |
| 2. | Freedom                           |
| 3. | Equality                          |
| 4. | Social Justice                    |
| 5. | Rights                            |
| 6. | Citizenship                       |
| 7. | Nationalism                       |

**INDIAN CONSTITUTION AT WORK (Book 2)**

- |    |                                   |
|----|-----------------------------------|
| 1. | Constitution Why and How          |
| 2. | Rights in the Indian Constitution |
| 3. | Election and Representation       |
| 4. | The Executive                     |
| 5. | The Legislature                   |
| 6. | The Judiciary                     |
| 7. | Federalism                        |

**TERM II**

**(October-February 2020)**

<b>Chapter No.</b>	<b>Chapter Name</b>
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**POLITICAL THEORY (Book 1)**

- |     |             |
|-----|-------------|
| 8.  | Secularism  |
| 9.  | Peace       |
| 10. | Development |

**INDIAN CONSTITUTION AT WORK (Book 2)**

- |    |                   |
|----|-------------------|
| 8. | Local Governments |
|----|-------------------|

9. Constitution as living document
10. The Philosophy of the Constitution

### **Syllabus for I Cycle (July)**

Chapter 1: Political theory: an introduction (Book 1)

Chapter 2: Freedom (Book 1)

Chapter 1: Constitution Why and How (Book 2)

Chapter 2: Rights in the Indian Constitution (Book 2)

### **Syllabus for Terminal Exam (Sept)**

Syllabus for I Cycle &

#### **Book 1**

Chapter 3: Equality

Chapter 4: Social Justice

Chapter 5: Rights

Chapter 6: Citizenship

#### **Book 2**

Chapter 3: Election and Representation

Chapter 4: The Executive

Chapter 5: The Legislature

Chapter 6: The Judiciary

### **SYLLABUS FOR II CYCLE TEST (Nov-Dec)**

Chapter 7: Nationalism (Book 1)

Chapter 8: Secularism (Book 1)

Chapter 7: Federalism (Book 2)

Chapter 8: Local Governments (Book 2)

**SYLLABUS FOR ANNUAL EXAM (Feb)**

Chapter 1-10 (Book 1)

Chapter 1-10(Book 2)

CURRICULUM PLANNING (SUBJECT ----PHYSICS)

CLASS XI (SESSION 2019-2020)

TERM –I

(APRIL 2019- SEPTEMBER 2019)

UNIT NO	NAME OF UNIT
1.	PHYSICAL WORLD & MEASUREMENTS
2.	KINEMATICS
3.	LAWS OF MOTION
4.	WORK , POWER & ENERGY
5.	MOTION OF SYSTEM OF PARTICLES & RIGID BODY

TERM II

( OCTOBER 2019- FEBRUARY 2020)

UNIT NO	NAME OF UNIT
6.	GRAVITATION
7.	PROPERTIES OF BULK MATTER
8.	THERMODYNAMICS
9.	BEHAVIOUR OF PERFECT GAS & KINETIC THEORY OF GASES
10.	OSCILLATION & WAVES

SYLLABUS OF I CYCLE TEST (JULY)

UNIT 1 & 2 (MOTION IN A STRAIGHT LINE)

SYLLABUS FOR TERMINAL EXAMS (SEPTEMBER)

UNIT 1,2,3,4&5

SYLLABUS FOR II CYCLE TEST (NOVEMBER-DECEMBER)

UNIT 6 & 7

SYLLABUS FOR ANNUAL EXAMS

UNIT 1 -10 (ENTIRE SYLLABUS )

CURRICULUM 2019-20

CLASS XI

ACCOUNTANCY

TERM I

(April-September 2019)

Chapter No.	Chapter Name
1.	Introduction to Accounting
2.	Basic Accounting Terms
3.	Theory base of Accounting
4.	Bases of Accounting
5.	Accounting Equation
6.	Accounting Procedures
7.	Origin of transactions
8.	Journal
9.	Ledger
10.	Special Purpose Books I- Cash Book
11.	Special Purpose Books II-Other Books Trial Balance

SYLLABUS FOR I CYCLE (JULY)

Chapter no. 1,2,3,4,5

SYLLABUS FOR TERMINAL EXAM

Chapter no. 1,2,3,4,5,6,7,8,9,10,11,13

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TERM II

(October-February 2020)

Chapter No.	Chapter Name
12.	Bank Reconciliation Statement
14	Depreciation
15	Provisions & Reserves
16	Bills of Exchange
17	Rectification of Errors
18	Financial statements of sole proprietorship
19	Adjustments in preparation of Financial Statements
20	Accounts from Incomplete Records -Single Entry System
22	Computers in Accounting

SYLLABUS FOR II CYCLE TEST

Chapter no. 12,14,16

SYLLABUS FOR ANNUAL EXAMS

Complete syllabus covered during Term I  
& Term II will be included in Annual  
Exams



# **CURRICULUM PLANNING**

## **CLASS-XI**

## **CHEMISTRY**

SESSION 2019-20

TERM-I

(APRIL 2019-SEPTEMBER 2019)

<b>Chapter Number</b>	<b>Name of Chapter</b>
1.	Some basic concepts of Chemistry
2.	Structure of Atom (From development leading to Bohr model of atom)
3.	Periodic Classification of Elements
4.	Chemical bonding (before hybridisation)
14.	Environmental Chemistry

TERM-II

(OCTOBER 2019-FEBRUARY 2020)

<b>Chapter Number</b>	<b>Name of Chapter</b>
5.	States of Matter
6.	Thermodynamics
7.	Equilibrium
8.	Redox Reactions (Excluding Electrode potentials)
10.	The s-block elements
12.	Organic chemistry-some basic principles and techniques (Excluding Quantitative and Qualitative Analysis)
13.	Hydrocarbons( Excluding Aromatic Compounds)

Syllabus of I Cycle Test (July/Aug)

Ch 1 and Ch 2

Syllabus for Terminal Exam (September)

Ch 1,2,3,4,14

Syllabus for Cycle Test-II (Nov-Dec)

Ch 12,13

Syllabus for Annual Exam

Ch 1-14 (Except Ch9, Ch11)

## SYLLABUS(2019-2020)

CLASS : XI

### MATHEMATICS

Prescribed Books : 1.Mathematics Textbook For Class XI By N.C.E.R.T.

2. Mathematics Exemplar Problems For Class XI BY  
N.C.E.R.T.

#### **TERM I**

##### **Cycle Test I (July)**

1. Chapter 1 : Sets
2. Chapter2 : Relations
3. Chapter 3 : Trigonometric Functions
4. Chapter5 : Complex Numbers and Quadratic Equations

##### **Terminal Exam (September)**

1. Chapter1 : Sets
2. Chapter2 : Relations and Functions
3. Chapter 3 : Trigonometric Functions
4. Chapter4 : Principle of Mathematical Induction
5. Chapter 5 : Complex Numbers and Quadratic Equations
6. Chapter6 : Linear Inequalities
7. Chapter 13 : Limits and Derivatives

#### **TERM II**

##### **Cycle Test II\_(November – December)**

1. Chapter 7: Permutations and Combinations
2. Chapter 8 : Binomial Theorem
3. Chapter 9 : Sequences and Series

##### **Annual Exams ( February - March)**

1. Chapter1 : Sets
2. Chapter 2 : Relations and Functions
3. Chapter 3 : Trigonometric functions
4. Chapter 4 : Principle of Mathematical Induction
5. Chapter5 : Complex Numbers and Quadratic Equations
6. Chapter 6 : Linear Inequalities
7. Chapter 7 : Permutations and Combinations
8. Chapter 8 : Binomial Theorem

- 9. Chapter 9 : Sequences and Series
- 10. Chapter 10 : Straight Lines
- 11. Chapter11 : Conic Sections
- 12. Chapter 12 : Introduction to Three dimensional Geometry
- 13. Chapter 13 : Limits and Derivatives
- 14. Chapter 14 ; Mathematical Reasoning
- 15. Chapter 15 : Statistics
- 16. Chapter 16 : Probability

**SYLLABUS : CLASS XI (2019-20)**

**SUBJECT: COMPUTER SCIENCE**

**I CYCLE TEST**

1. Data Management  
Relational Databases : relations, keys, primary key, foreign key  
SQL commands: select, project, joins  
Between clause, IN clause, Like clause  
Group by clause, order by clause  
SQL functions

**TERMINAL EXAM ( WILL ALSO INCLUDE SYLLABUS OF I CYCLE EXAM)**

1. Basic Computer Organisation  
Types of Software  
Language of bits  
Boolean logic  
Basic flow of compilation  
Cloud computers
2. Programming and computational Thinking  
Basics of Python programming  
Notion of variables  
Data types, operators, accepting input, operator precedence  
Conditional statements, if, if else, if elif else  
Flow of control for, while, flowcharts, decision trees  
Idea of debugging

**II CYCLE TEST**

1. Programming- Lists, tuples, finding maximum, minimum, mean, linear search on list/tuple
2. Society law and ethics- Cyber safety

**ANNUAL EXAM (WILL INCLUDE ENTIRE SYLLABUS COVERED)**

1. Society law and ethics- Appropriate usage of social networks  
Adware, malware, virus, Trojans  
Safely communicating data- secure connections, eavesdropping, phishing, identity verification
2. Programming: sorting algorithms  
Strings- compare concat, substring



# **CLASS XI ECONOMICS**

TERM I (April-September)

## PART A: STATISTICS FOR ECONOMICS

### UNIT I: INTRODUCTION

- \* What is Economics?
- \* Introduction - Meaning and Scope

### UNIT II: COLLECTION, ORGANISATION & PRESENTATION OF DATA

- \* Collection of Primary & Secondary data
- \* Organisation of data
- \* Tabular Presentation
- \* Diagrammatic Presentation
- \* Graphic Presentation

### UNIT III: STATISTICAL TOOLS & INTERPRETATION

- \* Measures of Central Tendency

## PART B: INTRODUCTORY MICROECONOMICS

### UNIT IV: INTRODUCTION

- \* Economic problem, Central Problem and PPC.

### UNIT V: CONSUMER'S EQUILIBRIUM AND DEMAND

- \* Consumer's Equilibrium under Utility Analysis.
- \* Consumer's Equilibrium under Indifference Curve Analysis.
- \* Demand, Market Demand, Determinants.
- \* Shift and Movement along a Demand curve.
- \* Price Elasticity of Demand (Percentage Method)
- \* Factors affecting Elasticity

### UNIT VI: PRODUCER BEHAVIOUR AND SUPPLY

- \* Supply, Market Supply, Determinants.
- \* Shift and Movement along a Supply curve.
- \* Price Elasticity of Supply (Percentage Method)

Syllabus for I Cycle Test (Jul)

Part A (Statistics) Units I, II  
Part B (Micro Eco.) Unit IV

[25 Marks]

Syllabus for I Term Exam (Sep)

[100Marks]

Part A (Statistics) Units I, II, III (Measures of Central Tendency)

Part B (Micro Eco.) Units IV, V and VI (Supply & Elasticity of Supply)

TERM II (October - February)

PART A: STATISTICS FOR ECONOMICS

UNIT III (Continued):

- \* Measures of Dispersion
- \* Measures of Correlation
- \* Introduction to Index Numbers

PART B: INTRODUCTORY MICROECONOMICS

UNIT VI (Continued):

- \*Meaning of Production Function: Long run and short run
- \* Returns to a factor
- \* Revenue
- \*Cost
- \*Producer's Equilibrium: MR-MC Approach

UNIT VII: FORMS OF MARKET & PRICE DETERMINATION UNDER  
PERFECT COMPETITION:

- \*Perfect Competition – Features, Market Equilibrium, effects of  
Shifts in demand & supply
- \*Monopoly, Monopolistic Competition & Oligopoly- Features

Syllabus for II Cycle Test (Nov-Dec)

[25 marks]

Part A (Statistics) Measures of Dispersion

Part B (Micro Eco.) Production Function

Syllabus for Annual Exam (Feb)

[80+20 Marks]

Complete syllabus covered during Term I and  
Term II will be included in Annual Exam (80 marks)  
+ Project (20 marks).



## **Syllabus**

### **Class - XI. English Core. (2019- 20)**

Term -1 (April- September)

Hornbill

1. The Portrait of a lady (Cycle test -1)
2. A Photograph (poem) (cycle test -1)
3. We're not afraid to die....
4. Discovering Tut...The saga continues
5. The Laburnum Top (poem)
6. Landscape of the soul
7. The Voice of the rain (poem)

Snapshots

1. The summer of the beautiful white horse (Cycle test -1)
2. The Address
3. Ranga's marriage
4. Albert Einstein at school

Writing Skills

Notice, poster, Advertisements (Display and Classified )

Letters

Letter to the Editor, Letter of Enquiry, Letter placing order, Job Application

Article, Speech

Note Making

(Notice, Letter to editor and letter of Enquiry will be included in cycle test -1)

Integrated Grammar practice worksheets

The entire syllabus mentioned for Term -1 will be included in September Exam

Term -II. (October-February)

Hornbill

1. The Ailing Planet ( Cycle test -2)
2. The Browning Version ( Cycle test -2)
3. Childhood ( Poem) ( Cycle test -2)
4. The Adventure
5. Silk Road
6. Father To Son ( Poem)

SNAPSHOTS

1. Mother's Day
2. The Ghat Of The Only World

( Cycle test -2)

1. Birth
2. The Tale Of Melon City ( Poem)

#### WRITING SKILLS

Letter Of Complaint

Article, Speech, Debate, Report Writing

Note Making & Summary Writing

(Letter Of complaint , Report writing and poster making will be included in cycle test -2)

Integrated Grammar practice worksheets

Annual Exams : The entire syllabus covered in the academic session will be included in annual exams

HISTORY CLASS XI  
SYLLABUS (2019-20)

**TERM I (APRIL-SEPT)**

FIRST CYCLE

Theme1- From the beginning of time

Theme 2 – Writing and city life

TERMINAL EXAMINATION

Theme1- From the beginning of time

Theme 2 – Writing and city life

Theme 3- An empire across three continent

Theme 4 –Central Islamic lands

Theme 5- Nomadic empires

Theme 6- The three orders

**TERM II(OCTOBER-FEBRUARY)**

Second cycle Examination

Theme 7-Changing cultural traditions

Theme 8-Confrontation of cultures

Annual examination

Theme 9- The industrial revolution

Theme 10-Displacing indigenous people

Theme 11- Paths to modernization

Theme1- From the beginning of time

Theme 2 – Writing and city life

Theme 3- An empire across three continent

Theme 4 –The central Islamic lands

Theme 5- Nomadic empires

Theme 6- The three orders

Theme 7-Changing cultural traditions

Theme 8-Confrontation of cultures

## **CLASS XI SESSION 2019-20**

### **SUBJECT: INFORMATICS PRACTICES**

#### **TERM I (APR-SEP 2019)**

- 1. INTRODUCTION TO COMPUTER SYSTEM :** Block Diagram, I/O devices, CPU, Memory devices, hard disk, transition from calculator to computer, smart devices, functions of OS, Data Representation
- 2. DATA MANAGEMENT :** Relational databases: Concept of a database, relations, attributes and tuples, keys -candidate key, primary key, alternate key, foreign key; Degree and Cardinality of a table. Use SQL - DDL/DML commands to CREATE TABLE, INSERT INTO, UPDATE TABLE, DELETE FROM, ALTER TABLE, MODIFY TABLE, DROP TABLE, keys, and foreign keys; to view content of a table: SELECT-FROM-WHERE-GROUP BY, HAVING, ORDER BY along with BETWEEN, IN, LIKE. (Queries only on single table), Aggregate Functions : MIN , MAX, AVG, COUNT, SUM
- 3. SOCIETY, LAW AND ETHICS :** Cyber safety: safely browsing the web, identity protection, confidentiality, social networks, netiquettes, digital footprint, cyber trolls and bullying. Appropriate usage of social networks: spread of rumours, and common social networking sites (Twitter, LinkedIn, and Facebook) and specific usage rules. Safely accessing web sites: adware, malware, viruses, Trojans. Safely communicating data: secure connections, eavesdropping, and phishing and identity verification. Intellectual property rights, plagiarism, digital rights management, and licensing (Creative Commons, GPL and Apache), open source, open data, privacy. Privacy laws, fraud; cybercrime- phishing, illegal downloads, child pornography, scams; cyber forensics, IT Act, 2000. Technology and society: understanding of societal issues and cultural changes induced by technology.  
E-waste management: proper disposal of used electronic gadgets.  
Identity theft, unique ids, and biometrics.  
Gender and disability issues while teaching and using computers.
- 4. INTRODUCTION TO PYTHON PROGRAMMING :** Familiarization with the basic of Python programming: a simple "hello world" program, process of writing a program, running it, and print statements; simple data-types:integer, float, string. Introduce the notion of variable, and methods to manipulate it (concept of L-value and R-value even if not taught explicitly). Tokens - keywords, identifiers, Literals, Delimiters. Knowledge of data type and operators: accepting input from the console, assignment statement, expressions, operators (assignment, arithmetic, relational and logical) and their precedence.

## **TERM II (OCT 2019-FEB 2020)**

- 5. PYTHON PROGRAMING :** Conditional statements: if, if-else, if-elif-else; simple programs: e.g.: absolute value, sort 3 numbers, divisibility. Notion of iterative computation and control flow: for ( range() , len()), while, flowcharts. Suggested programs: finding average and grade for given marks, amount calculation for given cost-qty-discount, perimeter-wise/ area-wise cost calculation, interest calculation, profit-loss, EMI, tax calculation (example from GST/Income Tax). List and dictionary: finding the maximum, minimum, mean; linear search on a list of numbers, and counting the frequency of elements in a list using a dictionary. Text handling: compare, concat, and substring operations (without using string module). Introduction to Python modules: importing math (sqrt, ceil, floor, pow, fabs), random (random, randint, randrange), statistics (mean, median) modules.
- 6. DATA HANDLING :** Numpy 1D array, 2D array Arrays: slices, joins, and subsets. Arithmetic operations on 2D arrays, Covariance, correlation and linear regression

Cycle I Exam Syllabus : Unit 1 : Introduction To Computer System, Unit 2 : Data Management

Terminal Exam Syllabus : Unit 1 : Introduction To Computer System, Unit 2 : Data Management, Unit 3 : Society, Law & Ethics,

Cycle II Exam Syllabus : Unit 4 : Introduction To Python Programming, Unit 5 : Python Programming

Annual Exam Syllabus : Unit 1-6 (ALL)

# **CLASS-XI**

## **SUBJECT- BIOLOGY**

### **SYLLABUS SESSION 2019-20**

#### **TERM –I (APRIL-SEPTEMBER)**

**(Syllabus for exams, to be conducted in September)**

#### **Unit-II Structural Organization in Animals and Plants**

##### **Chapter-7: Structural Organization in Animals**

#### **Unit-III Cell: Structure and Function**

##### **Chapter-8: Cell-The Unit of Life**

##### **Chapter-9: Biomolecules**

##### **Chapter-10: Cell Cycle and Cell Division**

#### **Unit-V Human Physiology**

##### **Chapter-16: Digestion and Absorption**

##### **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**

## **TERM-II (OCTOBER-FEBRUARY)**

### **Unit-I Diversity of Living Organisms**

#### **Chapter-1: The Living World**

#### **Chapter-2: Biological Classification**

#### **Chapter-3: Plant Kingdom**

#### **Chapter-4: Animal Kingdom**

### **Unit-II Structural Organization in Animals and Plants**

#### **Chapter-5: Morphology of Flowering Plants**

#### **Chapter-6: Anatomy of Flowering Plants**

### **Unit-IV Plant Physiology**

#### **Chapter-11: Transport in Plants**

#### **Chapter-12: Mineral Nutrition**

#### **Chapter-13: Photosynthesis in Higher Plants**

#### **Chapter-14: Respiration in Plants**

#### **Chapter-15: Plant - Growth and Development**

### **Syllabus for First cycle exam. (July 2019)**

#### **Chapter-16: Digestion and Absorption**

#### **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.**

**Syllabus for Second cycle Exams. (November 2019)**

**Unit-II Structural Organization in Animals and Plants**

**Chapter-5: Morphology of Flowering Plants**

**Chapter-6: Anatomy of Flowering Plants.**

**Chapter-7: Structural Organization in Animals.**

**Complete syllabus covered during Term I and Term II will be included in Annual Exams.**

## **PRACTICALS**

As per CBSE curriculum