

# ABHINAV BHARATI HIGH SCHOOL

SYLLABUS FOR ACADEMIC SESSION 2017-2018

Class XI

## Political Science

Term-I

- Book I(Indian constitution at work)
- ✓ Chap-1-10

Term-II

- Book I(Indian constitution at work)
- ✓ Chapter-4-10
- Book-II(Political Theory)
- ✓ Chapter-1,5,6,7,8,9,10

## Geography

Term-I

- India-Location
- Structure & Physiographic
- Drainage system
- Soils
- Natural vegetation
- Interior of the earth
- Distribution of Oceans & continents
- Minerals & Rocks

Term-II

- Term I chapters + the toll chapters
- Climate of India
- Landforms & their evolution
- Natural hazards & disaster

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Class XI

- Solar Radiation, Heat balance & temperature
- Water in the Atmosphere
- Water(Oceans)
- Movements of Ocean water
- Life on Earth
- Biodiversity & Conservation

## Computer Science

Term-I

Unit 1:

Chapter-

1. Computer Overview
2. Software Concepts
3. Data Representation

Unit 2:

Chapters:

1. General OOP Concepts
2. Getting started with C++
3. Data Handling
4. Operations & Expressions in C++
5. C++ as per latest C++ II standard
6. Flow of control
7. Function
8. Structured data type:Array

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**Class XI**

Practical:

Project work based on topic

Term-II

Unit 1:

Chapter-

4. Microprocessor basics and memory concepts

Unit 2:

Chapters-

13. Structures

14. Programming methodology

Practical: Project work based on topic

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## Chemistry

### Term-I

1. Some basic concepts of chemistry
2. Structure of atoms
3. Classification of elements and periodicity its properties
4. Chemical bonding and Molecular structure
5. States of matter, Gases & Liquids
6. States of matter
7. Hydrogen

### Term-II

1. Organic chemistry. Some basic principle
2. Hydrocarbons
3. Environmental chemistry
4. Equilibrium
5. Redox
6. S-block elements
7. P-block elements
8. Thermodynamics

### Syllabus Biology

#### Term-I

#### Unit I:

#### Chapter:

1. The Living World
2. Biological classification
3. Plant Kingdom
4. Animal Kingdom

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**Class XI**

Unit II:

Chapter:

5. Morphology of flowering plants
6. Anatomy of flowering plants

Unit III:

Chapter:

8. Cell- the unit of life

Unit IV:

Chapter:

9. Photosynthesis in Higher plants
10. Respiration in plants

Unit V:

Chapter:

16. Digestion and absorption
17. Excretory products and their elimination

Term-II

Unit II:

Chapter:

7. Structural organization in Animals

Unit III:

9. Biomolecules
10. Cell cycle and cell division.

Unit IV:

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**Class XI**

Chapter:

- 11. Transport in plants
- 12. Mineral Nutrition
- 11. Plant Growth and Development.

Unit V:

Chapter:

- 17. Breathing and Exchange of gases
- 18. Body fluids and circulation
- 20. Locomotion and Movement
- 21. Neural control and coordination
- 22. Chemical coordination and integration

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Painting

Term -I

Theory:

Pre. historic rock Painting

- I. Period and location
- II. Study of Pre. Historic rock painting Bhimbelhka

Art of Indus Valley civilization

- I. Period and locations
- II. Study of different artifacts-Sculptures

Terracotta pottery and decorative earthen wares. Seals.

Practicals:

Pencil study-Shading and sketching

Figure drawing, general concept of compositional arrangement.

Term-II

Theory:

Buddhist Art: General Introduction of drawing Mauryan, Shunga, Kushan and Gupta Period.

Study of Sculptures-

Lion capital from Sarnath

Chauri Bearer from Didas Ganj

Bodisattava Head-Taxila

Seated Buddha-Katra mound, End Sarnath

Jain Art- Jain Tirthankaras

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Introduction to Ajanta-Location and period, Caves, Chaityas, Viharas, Sculptures

Nurals-Bodhisattava padmapani Mara Vijay

Temple art and Architecture:

- I. Introduction – Indian temples 6<sup>th</sup> -13<sup>th</sup> century.
- II. Study of temple sculptures and Architecture

a)Northern Indian style

b) South Indian style

iii. Indian Bronzes-Introduction

Indian Bronzes-Natraj, Devi

Indo Islamic Architecture-

- I. Introduction
- II. Study of Architecture-
  - a)Qutab Minar b) Taj Mahal c)Gol gumbad

Practical:

Comparison on given topic(water colour, Pastel)

Still life- Water colour, Pastel, Pencil shading, figure drawing

Pencil study- Shading technique, Sketching.



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Physics

Term-I

1. Physical world and Measurement
2. Kinematics
3. Laws of motion
4. Work, Energy and Power
5. Motion of system of Particles and Rigid Bodies Gravitation

Term-II

1. Properties of Bulk matter
2. Thermodynamics
3. Behaviours of perfect Gas and Kinetic Theory of Gases
4. Oscillations and waves

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SYLLABUS FOR ACADEMIC SESSION 2017-2018

Class XI

English

Term-I

English Literature:

Hornbill(Prose)

1. The portrait of a Lady
2. We're not afraid to Die
3. Discovering Tut

Poems:

1. A photograph
2. The voice of the rain

Snapshots(prose)

1. The summer of the beautiful white horse
2. The address
3. Ranga's Marriage
4. Albert Einstein at school

Rapid Reader:

The Canterville Ghost-Chapters 1,2 and 3

English language

1. Notice writing
2. Letter writing
3. Article Writing
4. Speech Writing

Term-II

English Literature:

Hornbill(Prose)

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SYLLABUS FOR ACADEMIC SESSION 2017-2018

Class XI

4. The Ailing Planet

5. The Browning version

## Poems

3. Childhood

4. Father to Son

Snapshots(Prose)

5. Mother's Day

6. Birth

## Poem

5.The tale of Melon City

Rapid Reader

The Canterville Ghost- Chapters 4,5,6 and 7

## English Language

4.Advertisement

5.Factual Description

6.Revision

Syllabus Psychology

Term-I

Unit 1: What is Psychology

Unit 2: Methods of Psychology

Psychological testing

Case study Page-35 to 41

Unit 3:The bases of Human Behaviour- till page 54.

Unit

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## SYLLABUS FOR ACADEMIC SESSION 2017-2018

### Class XI

#### History

##### Term-I

Theme two: Writing and city life

Theme three: An Empire Across three continents

Theme five: Nomadic Empires

Theme Six: The three order

Theme seven: Changing cultural traditions

Theme eight: Confrontation of cultures

##### Term-II

Theme nine: The industrial revolution

Theme ten: Displacing Indigenous people

Theme Eleven: paths to Modernization

Theme one: Bricks, Beads and bones

The harappan civilization

Theme two: Kings, Farmers and Towns

Early, states and economics

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## Mathematics

Term-I

Sets, Relations, Functions

- Trigonometric, functions, compound angles
- Transformation formulae
- Trigonometric ratio & multiple and submultiples
- Trigonometric Equations
- Complex numbers
- Quadratic equations
- Linear in equations
- A.P, G.P, some special series, Arithmetic-geometric series.

Term-II

- PMI (Principal of mathematical induction)
- Permutations, Combination
- Binomial theorem
- Locus, Straight lines
- Circles
- Parabola ,ellipse, hyperbola
- 3D, limits and derivatives
- Probability
- Statistics

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Class XI

## Accountancy

Term-I

Basic accounting terms, Accounting Equations, journal, Ledger, Trial balance  
Subsidiary book

Term-II

Depreciation , Bank Reconciliation statement  
Rectification of errors, Bills of exchange, Final A/C,  
Accounting for non profit organization  
Project work

## Business Studies

Term-I

- a) Nature & purpose of Business
- b) Forms of business Organization
- c) Public, Private Global Enterprises

Term-II

- a) Business services
- b) Social responsibilities
- c) Sources of Business Finance
- d) Internal trade
- e) International Business
- f) Project work

## Biology

Term-I

Unit I:

Chapter 1: The living world

Chapter 2: Biological classification

Chapter 3: Plant Kingdom

Chapter 4: Animal Kingdom

Unit II:

Chapter 5: Morphology of flowering plants

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## SYLLABUS FOR ACADEMIC SESSION 2017-2018

### Class XI

Chapter 6: Anatomy of flowering plants.

Unit III:

Chapter 8: Cell- The unit of life

Unit IV:

Chapter 13: Photosynthesis in Higher plants

Chapter 14: Respiration in plants

Unit V:

Chapter 16: Digestion and absorption

Chapter 19: Excretory products and their elimination

#### Term-II

Chapter 7: Structural organization in Animals

Unit III:

Chapter 9: Biomolecules

Chapter 10: Cell cycle and cell division.

Unit IV:

Chapter 11: Transport in plants

Chapter 12: Mineral nutrition

Chapter 15: Plant growth and development

Unit V:

Chapter 17: Breathing and exchange of gases.

Chapter 18: Body fluids and circulation.

Chapter 20: Locomotion and movements

Chapter 21: neural control and coordination

Chapter 22: Chemical Coordination

#### Psychology

#### Term-I

Chapter 1: What is psychology

Chapter 2: Methods of psychology

Psychological testing

Case study. Page-35 to 41

Chapter 3: The bases of human behavior till page 54

Chapter 9: Motivation and emotion

Chapter 5: Sensory, attentional and perceptual processes.

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### **Class XI**

Till page 101

Chapter 1(Class XII): Variations in psychological attributes and intelligence.

Page -2-11

Chapter 8(Class XII):Psychology and life(Till page 164)

Till Natural disaster

Term-II

Chapter 4: Human Development

Chapter 6: Learning

Chapter 7: Human Memory

Chapter 8: Thinking

Chapter 8(Class XII): Psychology and life

Promoting Pro-environmental (Rest of the chapter)

### Economic & Statistics

Term-I

#### INDIAN ECONOMIC DEVELOPMENT

Chapter 1:Indian economy in the eve of independence

Chapter 2: Five years plan in India-Goals and achievement

Chapter 3:Feature problem and policies of agriculture

Chapter 4: Strategy of Industrial growth

Chapter 5: India's foreign trade

Chapter 6: Economic reforms in since 91.

Chapter 7: Poverty

#### STATISTIC

Chapter 1: Introduction

Chapter 2: Collection of data

Chapter 3: Census and sample methods of data

Chapter 4: Organization of data

Chapter 5: Presentation of data

Chapter 6: Diagrammatic presentation of data

Chapter 7: Frequency Diagram

Term-II



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### Class XI

#### INDIAN ECONOMIC DEVELOPMENT

Chapter 8: Human capital formation

Chapter 10: Employment and unemployment

Chapter 11: Inflation

Chapter 12: Infrastructure

Chapter 13: Environment and sustainable development

#### STATISTICS

Chapter 7: Measures of Central tendency-Mean

Chapter 8: Measures of Central tendency-Median and quartile value

Chapter 9: Measures of Central tendency-Mode

Chapter 10: Measures of Dispersion

Chapter 11: Correlation

Chapter 12: Index No.

#### Legal Studies

##### Term-I

Unit-I(Theory and nature of political Institutions)

Chapter 1: Concept of state/ Nation

Chapter 2: Organs of Government(Executive , Legislature and Judiciary)

Chapter 3: Separation of Powers(Parlimentary Sovereignty and judicial Independence)

Chapter 4: Basic features of the constitution of India.

Unit-II(Nature and sources of Law)

Chapter 1: Nature and meaning of Law

Chapter 2: Classification of Law

Chapter 3: Sources of Law

Chapter 4: Law Reform

##### Term –II

Unit –III( Historical evolution of the Indian Legal system)

Chapter 1: Ancient Indian Law.

Chapter 2: Administration of Justice in British India.

Chapter 3: Making of the Indian Constitution

Unit-IV( Judiciary –Constitutional, civil and criminal courts and processes)

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### **Class XI**

Chapter 1: Constitution rules and impartiality.

Chapter 2: The civil court structure

Chapter 3: Structure and functioning of criminal courts in India

Chapter 4: Other courts in India

Unit-V(Family Justice System)

Chapter 1: Family Justice system-Introduction

Chapter 2: Institutional Framework

Chapter 3: Marriage and Divorce

Chapter 4: Children

Chapter 5: Domestic Violence

Chapter 6: Property, Succession and Inheritance

### **Physical Education**

#### **Term –I**

Chapter 1: Changing trends & career in physical education

Chapter 2: Physical Fitness , wellness & Lifestyle

Chapter 3: Olympic movement

Chapter 4: Yoga

Chapter 5: Doping

Chapter 6: Physical activity environment

#### **Term-II**

Chapter 7: Test and measurement in sports

Chapter 8: Fundamental of Anatomy Psychology

Chapter 9: Biomechanics and sports

Chapter 10: Psychology and sports

Chapter 11: Training in sports

## Half yearly Exam :

आरोह : गद्य पाठ — 1, 2, 3, 4  
पद्य पाठ — 1, 2, 3, 4, 5

वितान : पाठ — 1, 2

अभिव्यक्ति और माध्यम पाठ — 1

व्याकरण : अपठित शब्दांश , अपठित पद्यांश ,  
निबन्ध-लेखन , पत्र-लेखन , लीचर-लेखन ,  
आलेख-लेखन , रिपोर्ट ।

## Annual Exam :

आरोह : गद्य पाठ — 1 - 09  
पद्य पाठ — 1 - 08 और 10

वितान : पाठ — 1, 2, 3

अभिव्यक्ति और माध्यम पाठ — 1, 2

व्याकरण — उपर्युक्त समस्त ।