



# DELHI PUBLIC SCHOOL CIVIL LINES, ALIGARH

## SYLLABUS FOR SECOND SUMMATIVE ASSESSMENT 2016-17

### CLASS-XI

#### ENGLISH:

**Section A ( Reading )** :Unseen Passage/poem, Note Making

**Section B (Writing and Grammar)**: Notice, Advertisement, Poster, Letters (All types), Article Writing, Speech Writing, Debate Writing, Tenses, Determiners, Jumbled Words, Active and Passive voice, Direct and Indirect, Clauses, Editing(correction error)

**Section C (Literature)**: Portrait of a Lady, We are not Afraid to Die, Discovering Tut, Ailing Planet, The Address, Ranga's Marriage, Browning Version, Summer of a Beautiful White Horse, Birth, Mother's Day A Photograph( Poem), Voice of The Rain( Poem), Father to Son(Poem), Childhood(poem), Albert Einstein at School, A Tale of Melon City

**Long Reading Text-** The Canterville Ghost( Novel)

**(Written-80 Marks, ASL-20)**

**MATHS:** 1. Sets 2. Relations and Functions 3. Trigonometric Identities 4. Principles of Mathematical Induction  
5. Complex Numbers 6. Linear Inequality 7. Permutations and Combinations 8. Binomial Theorem  
9. Sequence and Series 10. Straight Line 11. Conic Section 12. Introduction to Three Dimensional  
Geometry 13. Limits and Derivatives 14. Probability 15. Statistics

**(Written-100 Marks)**

**PHYSICS:** 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. System of Particles And Rotational Motion  
8. Gravitation 9. Mechanical Properties of Solids 10. Mechanical Properties of Fluids  
11. Thermal Properties of Matter 12. Thermodynamics 13. Kinetic Theory of Gases 14. Oscillations  
15. Waves

**(Written-70 Marks, Practical-30)**

**CHEMISTRY:** Unit 1 Some Basic Concepts of Chemistry, Unit 2 Structure of Atom, Unit 3 Classification of Elements  
Unit 4 Chemical Bonding and Molecular Structure, Unit 5 States of Matter, Unit 7 Equilibrium (Upto  
Le Chatelier's Principle), Unit 8 Redox Reactions, Unit 9 Hydrogen, Unit 10 The s-block elements  
Unit 11 The p- block elements, Unit 12 Organic chemistry- Some basic principles and techniques  
Unit 13 Hydrocarbons, Unit 14 Environmental Chemistry

**(Written-70 Marks, Practical-30)**

**BIOLOGY:** Unit I-Diversity in Living World: Chapter 1 The Living World, Chapter 2 Biological Classification  
Unit II- Structural Organisation in Plants and Animals: Ch.5 Morphology of Flowering Plants,  
Ch.6 Anatomy of Flowering Plants, Ch.7 Structural Organisation in Animals  
Unit III- Cell Structure And Functions: Ch.8 Cell: The Unit of Life, Ch.9 Biomolecules, Ch.10 Cell Cycle  
and Cell Division  
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  
Unit VI- 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

**BUSINESS STUDIES:** Ch.1 Nature and Purpose of Business Ch.2 Forms of Business Organisation Ch.3 Public,  
Private And Global Enterprises Ch.4 Business Services Ch.5 Emerging Modes of Business Ch.6 Social  
Responsibilities of Business and Business Ethics Ch.7 Sources of Business Finance Ch.8 Small Business Ch.9  
Internal Trade Ch.10 International Business

**(Written-90 Marks, Practical-10)**

**ACCOUNTANCY:** Ch.1 Introduction of Accounting Ch.2 Basic Accounting Terms Ch.3 Accounting Concepts Ch.4 Cash and Accrual Basics of Accounting Ch.5 Accounting Equations Ch.6 Rules of Debit and Credit Ch.7 Accounting Vouchers Ch.8 Journal and Ledger Ch.9 Special Purpose Book I Cash Book Ch.10 Special Purpose Book II Ch.11 Bank Reconciliation Statements Ch.12 Trail Balance Ch.13 Depreciation Ch.14 Provision and Reserves Ch.15 Bills of Exchange Ch.16 Rectification of Errors Ch.17 Financial Statement of sole Proprietor (without adjustment) Ch.18 Financial Statement of sole Proprietor (with adjustment) Ch.19 Incomplete Record/ Single Entry System  
(Written-90 Marks, Practical-10)

**ECONOMICS: STATISTICS FOR ECONOMICS:** Ch.4 Organisation of Data Ch.7 Graphic Presentation Ch.8 Measure of Central Tendency: Arithmetic Mean Ch.9 Measure of Central Tendency: Median and Mode Ch.10 Measures of Dispersion Ch.11 Measure of Correlation Ch.12 Index Numbers  
**INDIAN ECONOMIC DEVELOPMENT:** Ch.3 Indian Economy (1991 Onwards ) Ch.4 Poverty Ch.5 Human Capital Formation Ch.6 Rural Development Ch.9 Infrastructure Ch.10 Environment and Sustainable Development Ch.11 Comparative Development Experiences of India and Its Neighbours (OTBA only)  
(Written-90 Marks, Project/Viva-10)

**COMPUTER SCIENCE:** 1:- Computer Overview 2:- Software Concept 3:- Data Representation 5:- General OOP Concept 6:-Getting started with C++ 7:- Data Handling 8:- Operators & Expressions in C++ 10:-Flow of Control 11:- Functions 12:- Array 13:- Structures 14:- Programming Methodology  
(Written-70 Marks, Practical-30)

**INFORMATION PRACTICES:** 1: Hardware Concepts 2: Software Concepts 3: Getting Started with Programming using IDE 4: Programming Fundamentals 5: Flow of Control 6: Java IDE Programming-I 7: Java IDE Programming-II 8: Java IDE Programming-III 9: Programming Guidelines 10: DBMS Concepts 11: Introduction to My SQL 12: Simple Queries in SQL 13: My SQL Functions 14: Table Creation and Data Manipulation Comm 15: IT Applications  
(Written-70 Marks, Practical-30)

**PHYSICAL EDUCATION:** Unit 1 Changing Trends in Physical Education Unit 2 Physical Fitness, Wellness and Lifestyle Unit 3 Olympic Movement Unit 4 Yoga Unit 5 Doping Unit 6 Physical Activity Environment Unit 7 Test and Measurement in Sports Unit 8 Anatomy and Physiology in Sports Unit 9 Biomechanics and Sports Unit 10 Psychology and Sports Unit 11 Training in Sports  
(Written-70 Marks, Practical-30)

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