



# St. Xavier's Sr. Sec. School

Delhi-54

Std. 11 - Syllabus 2016-17

## ENGLISH

### Term 1

Section A : Reading

1. Unseen passages for comprehension. **(Unit Test)**
2. Note making - heading, subheading format.

Section B : Writing Skills and Grammar

1. Short writing skill : Notice, Poster **(Unit Test)**
2. Letters
  - a) Business and official letters for making enquiries, asking for and giving information, letter of complaint
  - b) To the editor - on issues of public interest.

3 & 4 Article / Speech / Debate

*Grammar - Determiners, tenses, modals, (Integrated) (Unit Test)*

Section C : Literature

Hornbill

Lesson 1 Portrait of a Lady **(Unit Test)**

Lesson 2 We are not Afraid to Die . . .

Lesson 3 Discovering Tut

Poetry

A Photograph **(Unit Test)**

The Voice of the Rain

Snapshots

Lesson 1 Summer of the Beautiful .....

Lesson 2 The Address

Lesson 3 Ranga's Marriage

Novel : *Canterville Ghost* - Chapters 1, 2 and 3.

### Term 2

Section A : Reading

1. Reading for comprehension.
2. Note making - Revision of first term format. **(Unit Test)**

Section B : Writing

1. Short Writing Skill : Advertisement **(Unit Test)**
2. Letters
  - a) Business and official - registering complaints, placing orders and sending replies
  - b) Letter to School (College authorities regarding admissions etc.)
  - c) Application for a job – with and without biodata
  - d) Revision of first term letters

*Grammar - Revision of first term items (Integrated) (Unit Test)*

Section C : Literature

Hornbill

Lesson 5 The Ailing Planet **(Unit Test)**

Lesson 6 The Browning Version

Poetry

Childhood **(Unit Test)**

Father to Son

Snapshots

Lesson 4 Albert Einstein at School **(Unit Test)**

Lesson 5 Mother's Day

Lesson 7 Birth



# St. Xavier's Sr. Sec. School

Delhi-54

Lesson 8 Tale of Melon City

Novel : Canterbury Ghost - Chapters 1 to 7.

*Speaking and Listening Assessment (ASL) will be conducted as per the CBSE guidelines.*

## MATHEMATICS

<b>Term 1</b>	Chapter 6	Linear Inequalities ** (Unit Test)
	Chapter 4	Principle of Mathematical Induction (Unit Test)
	Chapter 3	Trigonometric Functions
	Chapter 5	Complex Numbers and Quadratic Equations
	Chapter 9	Sequence and Series
	Chapter 7	Permutation and Combination
<b>Term 2</b>	Chapter 8	Binomial Theorem (Unit Test)
	Chapter 10	Straight Lines (Unit Test)
	Chapter 11	Conic Sections
	Chapter 12	Introduction to 3-Dimensional Geometry
	Chapter 1	Sets
	Chapter 2	Relations and Functions
	Chapter 16	Probability
	Chapter 15	Statistics
	Supplementary	Trigonometry
	Chapter 13	Limits and Derivatives

\*\* included in second term

Std. 11

Page 2

SYLLABUS

2016-17

## PHYSICS

<b>Term 1</b>	Unit - I	Physical World & Measurement (Unit Test)
	Unit - II	Kinematics
	Unit - III	Laws of Motion
	Unit - IV	Work, Energy and Power
<b>Term 2</b>	Unit - V	Motion of System of Particles and Rigid Body (Unit Test)
	Unit - VI	Gravitation
	Unit - VII	Properties of Bulk Matter
	Unit - VIII	Thermodynamics
	Unit - IX	Behaviour of Perfect Gas & Kinetic Theory of Gases
	Unit - X	Oscillations and Waves

## CHEMISTRY

<b>Term 1</b>	Unit I	Some Basic Concepts (12 marks) Only simple numericals on laws. (Unit Test)
	Unit II	Structure of Atom (12 marks)
	Unit III	Classification of Elements and Periodicity in Properties (12 marks)
	Unit IV	Chemical Bonding and Molecular Structure (12 marks)
	Unit VI	Thermodynamics (12 marks)
	Theory involved in practicals (10 marks)	
<b>Term 2</b>	Unit VII	Equilibrium (10 marks)
	Unit VIII	Redox Reactions (8 marks)
	Unit XII	Organic (some basic principles) (12 marks)
	Unit XIII	Hydrocarbons (12 marks)
	Unit X	S-Block Elements (6 marks)
	Unit XI	P-Block Elements (6 marks)



# St. Xavier's Sr. Sec. School

Delhi-54

Unit I	Mole Concept (4 marks) (Mole/Wt, Mole/Volume, Mole/Number relationship. Concentration of solutions - Molarity, Molality, Mole Fraction, calculations based on chemical equations)
Unit III	From Term I (6 marks) (From Modern Periodic Table onwards)
Unit IV	From Term I (6 marks)

## **BIOLOGY**

### **Term 1**

Unit I	DIVERSITY IN THE LIVING WORLD
Chapter 1	The Living World <b>(Unit Test)</b>
Chapter 2	Biological Classification <b>(Unit Test)</b> From page 16-22 (upto Protista)
Chapter 3	Plant Kingdom
Chapter 4	Animal Kingdom
Unit II	STRUCTURAL ORGANISATION IN PLANTS AND ANIMALS
Chapter 5	Morphology of Flowering Plants
Chapter 6	Anatomy of Flowering Plants
Chapter 7	Structural Organisation in Animals

### **Term 2**

Unit III	CELL : STRUCTURE AND FUNCTIONS
Chapter 8	Cell: The Unit of Life
Chapter 9	Biomolecules
Chapter 10	Cell Cycle and Cell Division
Unit IV	PLANT PHYSIOLOGY
Chapter 11	Transport in Plants <b>(Unit Test)</b>
Chapter 12	Mineral Nutrition <b>(Unit Test)</b>
Chapter 13	Photosynthesis in Higher Plants
Chapter 14	Respiration in Plants
Chapter 15	Plant Growth and Development
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

## **ECONOMICS**

### **Term 1**

PART – A	Statistics for Economics
Chapter 1	Introduction <b>(Unit Test)</b>
Chapter 2	Collection of Data <b>(Unit Test)</b>
Chapter 3	Organization of Data
Chapter 4	Presentation of Data
Chapter 5	Measures of Central Tendency
PART – B	Indian Economic Development
Chapter 1	Indian Economy on the Eve of Independence <b>(Unit Test)</b>
Chapter 2	Indian Economy 1950 - 90
Chapter 3	Liberalisation, Privatisation and Globalisation : An appraisal
Chapter 4	Poverty



# St. Xavier's Sr. Sec. School

Delhi-54

Std. 11

Page 3

SYLLABUS

2016-17

<b>Term 2</b>	PART – A	Statistics for Economics
	Chapter 6	Measures of Dispersion <b>(Unit Test)</b>
	Chapter 7	Correlation
	Chapter 8	Index Numbers
	PART – B	Indian Economic Development
	Chapter 5	Human Capital Formation in India <b>(Unit Test)</b>
	Chapter 6	Rural Development <b>(Unit Test)</b>
	Chapter 7	Employment : Growth, Informalisation and other issues.
	Chapter 8	Infrastructure
	Chapter 9	Environment and Sustainable Development
	Chapter 10	Comparative Development Experiences of India and its Neighbours.
	Chapter 11	Inflation - Problems and Policies
	PART – C	Developing Projects in Economics

## BUSINESS STUDIES

<b>Term 1</b>	Part A – Foundation of Business
	Unit 1 Nature and Purpose of Business <b>(Unit Test)</b>
	Unit 2(A) Forms of Business Organisation - upto Partnership Firms <b>(Unit Test)</b>
	Unit 3 Private, Public and Global Enterprises
	Unit 4 Business Services
	Unit 5 Emerging Modes of Business
	Unit 6 Social Responsibilities of Business and Business Ethics
<b>Term 2</b>	Unit 2(B) Formation of a Company <b>(Unit Test)</b>
	Part B – Corporate Organisation, Finance and Trade
	Unit 7 Sources of Business Finance <b>(Unit Test)</b>
	Unit 8 Small Business <b>(Unit Test)</b>
	Unit 9 Internal Trade
	Unit 10 International Business

Project will be given after the Half Yearly Examination and it is to be completed by December 20, 2016.

## ACCOUNTANCY

<b>Term 1</b>	Part A - Financial Accounting I
	Unit 1 Introduction to Accounting and Basic Accounting Terms <b>(Unit Test)</b>
	Unit 2 Theory Base of Accounting
	Unit 3 Recording of Transactions
	Unit 4 Preparation of Ledger, Trial Balance and Bank Reconciliation Statement
	Unit 5 Depreciation, Provisions and Reserves
<b>Term 2</b>	Unit 6 Rectification of Errors
	Unit 7 Bills of Exchange <b>(Unit Test)</b>
	Part B - Financial Accounting II
	Unit 8 Financial Statements of Sole Proprietorship (with or without adjustments) <b>(Unit Test)</b>
	Unit 9 Financial Statements of Not-for-Profit Organisations
	Unit 10 Accounts from Incomplete Records
	Unit 11 Computers in Accounting
	Unit 12 Accounting and Data Base System

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# St. Xavier's Sr. Sec. School

Delhi-54

## COMPUTER SCIENCE

- Term 1**
1. Getting started with C++ **(Unit Test)**
  2. Data types, Variables and Constants **(Unit Test)**
  3. Operators and Expressions in C++ **(Unit Test)**
  4. Flow of Controls  
Sequential Control Structure **(Unit Test)**, Selective Control Structure,  
Looping Control Structure.
- Term 2**
1. Standard Library Functions **(Unit Test)**
    - String
    - Character
    - Math
    - Other Functions
  2. Arrays - **(Unit Test)**
    - One Dimensional
    - Two Dimensional
  3. User Defined Functions
  4. User Defined Datatypes
  5. Structures
- Final Term Complete Syllabus

Std. 11  
2016-17

Page 4

SYLLABUS

## INFORMATICS PRACTICES

- Term 1**
1. Introduction to Data Base concepts **(Unit Test)**
  2. Classification of SQL statements **(Unit Test)**
  3. Creating and using a Database **(Unit Test)**
  4. Creating a Table **(Unit Test)**
  5. Displaying Table Data **(Unit Test)**
  6. Manipulating Data of a Table **(Unit Test)**
  7. Restructuring a Table
  8. Functions in MySQL
- Term 2**
1. Getting started with Programming using IDE **(Unit Test)**
  2. Data types **(Unit Test)**
  3. Variables **(Unit Test)**
  4. Operators **(Unit Test)**
  5. Control Structures
  6. Constraints in MySQL

## HISTORY

- Term 1**
- Section 1 : Early Societies  
Theme 1 : From the Beginning of Time **(Unit Test)**  
Theme 2 : Writing and City Life **(Unit Test)**
- Section 2 : Empires  
Theme 3 : An Empire Across 3 Continents



# St. Xavier's Sr. Sec. School

Delhi-54

- Term 2**
- Theme 4 : The Central Islamic Lands
  - Theme 5 : Nomadic Empires.
  - Section 3 : Changing Traditions
    - Theme 6 : The Three Orders **(Unit Test)**
    - Theme 7 : Changing Cultural Tradition **(Unit Test)**
    - Theme 8 : Confrontation of Culture **(Unit Test)**
  - Section 4 : Towards Modernisation
    - Theme 9 : Industrial Revolution
    - Theme 10 : Displacing Indigenous People
    - Theme 11 : Paths to Modernization

## **POLITICAL SCIENCE**

- Term 1**
- Indian Constitution at Work (Book 1)
    - Constitution : Why and How? **(Unit Test)**
    - Rights in the Indian Constitution
    - Election and Representation
    - Executive
    - Legislature
    - Judiciary
    - Federalism
    - Local Governments
- Term 2**
- Political Theory (Book 2)
    - Freedom
    - Equality
    - Social Justice
    - Rights **(Unit Test)**
    - Secularism
    - Peace
    - Development

## **ENTREPRENEURSHIP**

- Term 1**
1. Entrepreneurship : Concept and Functions **(Unit test)**
  2. An Entrepreneur **(Unit Test)**
  3. Entrepreneurial Journey
  4. Entrepreneurship as Innovation and Problem Solving
- Term 2**
1. Entrepreneurship : Concept and Functions
  2. An Entrepreneur
  3. Entrepreneurial Journey
  4. Entrepreneurship as Innovation and Problem Solving
  5. Concept of Market **(Unit Test)**
  6. Business Finance and Arithmetic **(Unit Test)**
  7. Resource Mobilisation



# St. Xavier's Sr. Sec. School

Delhi-54

Std. 11  
2016-17

Page 5

SYLLABUS

## **SUPW - Electronics**

- Term 1** Explanation of basic components for making of FM radio.  
Resistance colour coding, condensers, coils.  
Visual Demonstration  
AM & FM Radio receiver working using Block Diagram.
- Term 2** How to make a good solder joint? Practical on square matrix PCB.  
Layout plan of PCB for an FM Radio.  
Components identification and cross-check before mounting on PCB.  
Components mounting on PCB and cross-checking.  
Soldering on FM PCB with tin wire (as component)  
Soldering on FM PCB after mounting of components.  
FM Radio final testing of wiring for speaker and antenna.  
Speaker Assembly or Battery Eliminator.

## **SUPW - Arts**

- Term 1** Object Drawing with Pencil Shading  
Warli Painting  
Project - Abstract Painting  
Project - Paper Art  
Block Painting  
Portrait with Pencil Shading  
Object Drawing with Colouring
- Term 2** Human Drawings  
Poster - Save Electricity / Save Environment  
Composition with Poster Colour  
Book Cover Design  
Typography  
Composition with Pencil Shading  
Project - Pot Decoration  
Modern Art Painting with Colouring

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