



St. Xavier's Sr. Sec. School

Delhi-54

Std. 10 - Syllabus 2016-17

ENGLISH

Term 1 (SA 1)	Term 2 (SA 2)
Main Course Book: 1. Health and Medicine (Unit Test) 2. Education (Unit Test) 3. Science Reading passages for Comprehension (Unit Test) Writing Skills: 1. Biographical Sketch 2. Data Interpretation 3. Formal/Informal Letter (Unit Test) 4. Article (Unit Test) 5. Notice 6. Message 7. Story Writing Work Book units : 8, 9, 10, 11, 12, 13, 14 Grammar - Integrated (Unit Test) Literature: 1. Two Gentlemen of Verona (Unit Test) 2. Mrs. Packletide's Tiger 3. The Letter 4. The Frog and the Nightingale (Unit Test) 5. Mirror 6. Not Marble Nor Gilded Monument 7. The Dear Departed Novel : The Diary of Anne Frank June 12, 1942 to March 14, 1944.	Main Course Book 1. Environment 2. Travel & Tourism 3. National Integration Reading Passages for Comprehension (Unit Test) Writing Skills: 1. Dialogue writing (Unit Test) 2. Factual Description (People, Place, events) 3. e-mail writing 4. Speech/Debate 5. Story writing (Unit Test) 6. Diary Entry 7. Article Writing Work Book Units 1, 2, 3, 4, 5, 6, 7 Grammar Integrated (Unit Test) Literature: 1. A Shady Plot (Unit Test) 2. Patol Babu, Film Star (Unit Test) 3. Virtually True 4. Ozymandias (Unit Test) 5. The Rime of the Ancient Mariner - Part 1 & 2 (Unit Test) 6. Snake 7. Julius Caesar Novel : The Diary of Anne Frank From March 16, 1944 to August 1, 1944



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HINDI

पुस्तकें – क्षितिज – 2

कृतिका – 2

व्याकरण प्रका 1

प्रथम सत्र – क्षितिज गद्य – पाठ 10 नेताजी का च मा

11 बालगोबिन भगत

12 लखनवी अंदाज़

13 मानवीय करुणा की दिव्य चमक

क्षितिज पद्य – पाठ 1 सूरदास

3 देव

4 आत्मकथ्य

5 उत्साह, अट नहीं रही है

6 यह दंतुरित मुसकान, फसल

कृतिका – पाठ 1 माता का अँचल

2 जॉर्ज पंचम की नाक

व्याकरण – रचना के आधार पर वाक्य भेद, पद परिचय, वाच्य, रस, अपठित गद्यां 1 (2), अपठित काव्यां 1 (2), पत्र लेखन (निजी + अधिकारिक), निबंध लेखन (250 भाब्द), सार लेखन (एक तिहाई भाब्द)

प्रथम इकाई परीक्षा (1st Unit Test Syllabus) – क्षितिज गद्य – पाठ 10 नेताजी का च मा

क्षितिज पद्य – पाठ 1 सूरदास

कृतिका – पाठ 1 माता का अँचल

व्याकरण – रचना के आधार पर वाक्य भेद, पद परिचय (संज्ञा, सर्वनाम पदों का परिचय)

द्वितीय सत्र – क्षितिज गद्य – पाठ 14 एक कहानी यह भी

15 स्त्री शिक्षा के विरोधी कुतर्कों का खंडन

16 नौबतखाने में इबादत

17 संस्कृति

क्षितिज पद्य – पाठ 2 राम-लक्ष्मण-पर जुराम संवाद

7 छाया मत छूना

8 कन्यादान

9 संगतकार

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कृतिका – पाठ 3 साना-साना हाथ जोड़ि.....

4 एही ठैयाँ झुलनी हेरानी हो रामा!

5 मैं क्यों लिखता हूँ?



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व्याकरण – रचना के आधार पर वाक्य भेद, वाच्य, पद-परिचय, रस, अपठित गद्यांश (2), अपठित काव्यांश (2), पत्र लेखन (निजी + अधिकारिक), निबंध लेखन (250 भाब्द), सार लेखन (एक तिहाई भाब्द)

द्वितीय इकाई परीक्षा – क्षितिज गद्य – पाठ 14 एक कहानी यह भी

क्षितिज पद्य – पाठ 2 राम-लक्ष्मण-पर जुराम संवाद

कृतिका – पाठ 3 साना-साना हाथ जोड़ें.....

व्याकरण – वाच्य, पद परिचय, रस



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MATHEMATICS

Term 1	Chapter 1	Real Numbers
Chapter 2	Polynomials	
Chapter 3	Pair of Linear Equations in Two variables	(Unit Test)
Chapter 6	Triangles	
Chapter 8	Introduction to Trigonometry	
Chapter 14	Statistics	
Term 2	Chapter 11	Constructions (Unit Test)
Chapter 4	Quadratic Equations	(Unit Test)
Chapter 5	Arithmetic Progression	(Unit Test)
Chapter 10	Circles	
Chapter 9	Some Application of Trigonometry	
Chapter 15	Probability	
Chapter 7	Coordinate Geometry	
Chapter 12	Area Related to Circles	
Chapter 13	Surface Areas and Volumes	



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SCIENCE

PHYSICS

Term 1

Chapter 12 Electricity (**Unit Test** - upto series combination - page no: 213)
Chapter 13 Magnetic Effects of Electric Current
Chapter 14 Energy

Term 2

Chapter 10 Light- Reflection and Refraction (**Unit Test** - upto Reflection - page no: 171)
Chapter 11 Human Eye and the Colorful World.

CHEMISTRY

Term 1

(33 marks) Unit 1 Chemical Reactions and Equations (**Unit Test**)
Chemical equations, Types of chemical reactions, The effects of oxidation reactions in everyday life?

Unit 2 Acids, Bases and Salts

Understanding the chemical properties of acids and bases, What do all acids and all bases have in common? How strong are acid or base solutions? More about salts.

Unit 3 Metals and Non-metals

Physical properties, Chemical properties, How do metals and non-metals react?

Occurrence of metals, Corrosion.

Practicals 4

Term 2

(23 marks) Unit 4 Carbon and its Compounds (**Unit Test**)
Bonding in carbon - covalent bond, Versatile nature of carbon, Chemical properties of carbon compounds, Important carbon compounds - Ethanol
and Ethanoic acid, Soaps and detergents.

Unit 5 Periodic Classification of Elements

Early attempts at the classification of elements, Mendeleev's Periodic Table, Modern Periodic Table.

Practicals 3

BIOLOGY

Term 1

UNIT WORLD OF LIVING

Chapter 6 Life Processes

6.1 What are life processes?

6.2 Nutrition (**Unit Test**) (upto 6.2.3 - Pages 93 - 98)

6.3 Respiration

6.4 Transportation

6.5 Excretion

Chapter 7 Control and Co-ordination in animals and plants

7.1 Animals - Nervous System

7.2 Coordination in plants

7.3 Hormones in animals

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Term 2

UNIT : WORLD OF LIVING

Chapter 8 Reproduction (**Unit Test** - Modes of Asexual Reproduction 8.1 & 8.2.6)

8.1 Do organisms create exact copies of themselves?

8.2 Modes of reproduction used by single celled organisms (**Unit Test**)



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- 8.3 Sexual reproduction
- Chapter 9 Heredity and Evolution
- 9.1 Accumulation of variation during reproduction
- 9.2 Heredity
- 9.3 Evolution
- 9.4 Speciation
- 9.5 Evolution and Classification
- 9.6 Evolution should not be equated with 'progress'.

UNIT : CONSERVATION OF NATURAL RESOURCES

- Chapter 15 Our Environment
- 15.1 What happens when we add our waste to the environment?
- 15.2 Eco-system - what are its components?
- 15.3 How do our activities affect the environment?
- Chapter 16 Management of Natural Resources
- 16.1 Why do we need to manage our resources?
- 16.2 Forests and Wild Life.
- 16.3 Dams
- 16.4 Coal and Petroleum
- 16.5 An overview of natural resource management.



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SOCIAL SCIENCE

HISTORY

Term 1 Chapter 4 Making of the Global World
Chapter 7 Print Culture and Modern World (**Unit Test** - Section 1 & 2)

Term 2 Chapter 2 Nationalism in Indo-China.
Chapter 3 Nationalism in India (**Unit Test** - Section 1 only)

DEMOCRATIC POLITICS

Term 1 Chapter 1 Power Sharing
Two case studies, need for power sharing, forms of power sharing (**Unit Test**)
Chapter 2 Federalism
Meaning, features, types of federation, India a federal country, practice of federalism, decentralisation in India.
Chapter 3 Democracy and Diversity
Social differences, similarities, divisions, origin of social differences, overlapping and cross-cutting, politics of social divisions - range of outcomes, three determinants.
Chapter 4 Gender, Religion and Caste
Gender and politics - discrimination of women, women's political representation.
Communalism, secular state, caste and politics, politics in caste.
Term 2 Chapter 5 Popular Struggles and Movements
Two case studies, mobilisation and organisations, pressure groups and movements
influence of pressure groups and movements. (**Unit Test**)
Chapter 6 Political Parties
Meaning, functions, party systems, national and state political parties, challenges to political parties, reform political parties.
Chapter 7 Outcomes of Democracy
Assessing democracy's outcomes, accountable, responsive and legitimate government, economic growth and development, reduction of inequality and poverty, accommodation of social diversity, dignity and freedom of citizens.
Chapter 8 Challenges to Democracy
Different challenges, political reforms, redefining democracy.

GEOGRAPHY

Term 1 Chapter 1 Resource and Development
Introduction - types of resources, development of resources, resource planning (**Unit Test** - page nos. 1, 2, 3) India, conservation, land resources, land use pattern in India.
Land degradation and conservation measures, soil - classification, soil erosion and conservation.
Chapter 2 Forest and wild life resources
Flora and fauna - classification, colonial policies, conservation of forest and wildlife in India, types of forest, community and conservation.
Chapter 3 Water Resources
Introduction - water scarcity and the need for water conservation and management, multipurpose river projects and integrated water resource management, rain water harvesting.
Chapter 4 Agriculture
Types of farming, cropping pattern, major crops, food crops other than grains, horticulture crops, non food crops, technological and institutional reforms, contribution of agriculture to the national economy, employment and output.



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Term 2 Chapter 5 Minerals and Energy Resources

Introduction - mode of occurrence of minerals, ferrous minerals, non-ferrous minerals, conservation of minerals. **(Unit Test)**

Energy resources, non-conventional sources of energy, conservation of energy resources.

Chapter 6 Manufacturing Industries

Importance of manufacturing, contribution of industry to national economy, industrial location, classification, agro based industries, mineral based industries, information technology and electronics industry, industrial pollution and environmental degradation, control of environmental degradation.

Chapter 7 Life Lines of National Economy

Introduction, roadways, railways, pipelines, waterways, major sea ports, airways, communication, international trade, tourism as trade.

ECONOMICS

Term 1 Chapter 1 Development

What development promises - different people, different goals?; Income and other goals; National Development **(Unit Test)**; How to compare different countries or states?;

Average income - its usefulness for comparison.

Income and other criteria;

Public facilities; Human Development Report; Sustainability of Development;

All tables, activities, examples of the text.

Chapter 2 Sectors of the Indian Economy

Sectors of economic activities; Comparing the three sectors; Historical change in sectors; Primary, secondary and tertiary sectors in India; Rising importance of the tertiary sector in production; Where are most of the people employed?; How do create more employment?; Division of sectors as organised and

unorganised;

How to protect workers in the unorganised sector?; Sectors in terms of ownership : public and private sectors; All tables, graphs, activities and examples of the text.

Term 2 Chapter 3 Money and Credit

Money as a medium of exchange; Modern forms of money; Loan activities of banks **(Unit Test)**; Two different credit situations; Terms of credit; Variety of credit arrangements Loans from co-operatives; Formal sector credit in India; Self-help groups for the poor; Grameen Bank of Bangladesh; All graphs, pie-charts, tables, examples and activities of the text.

Chapter 4 Globalization and the Indian Economy

Production across countries, Interlinking production across countries, Foreign trade and integration of markets, What is Globalisation?, Factors that have enabled globalisation, Liberalisation of foreign investment policy, World trade organisation, Impact of globalisation in India - small producers : compete or perish, competition and uncertain employment, Steps to attract foreign investments, The struggle for a fair globalisation, All case studies, examples of the text.

Chapter 5 Consumer Rights

The consumer in the marketplace, Consumer movement, Consumer rights, Learning to become well-informed consumers, Taking the consumer movement forward, All examples, tables, case studies of the text.



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COMPUTERS

Term 1 Advanced tags in HTML
Ordered Lists, Unordered Lists, Nested Lists

Term 2 Creative Tags in HTML.
Images, Tables, Links, Marquee

SUPW - Electronics

Term 1 Basic introduction to electricity
Basic components
Basic electric circuits
Electric circuits

Term 2 Extension board circuit with stair circuit
Extension board circuit with series circuit (Testing Circuit)
Practical of extension board circuit
Table lamp circuit
Electric iron and its repairing.

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