

OPG World School
Syllabus- Annual Examinations (2018-19)
Class-XI



S.No.	Subject	Syllabus
1	English	Section A-Reading Unseen Comprehension Note making Section B Grammar and Writing Notice/Poster/Advertisement Formal letters (Enquiry, complaint, business, placing an order, editor, asking for and giving information, Job Application, Principal, institutions etc.) Report Speech Debate Article Factual description Integrated grammar Section C Literature The Ailing planet Browning Version The Voice of Rain The adventure Ranga's Marriage Albert Einstein at school Discovering Tut. We are not afraid to die.. The summer of the Beautiful White Horse Potrait of a Lady The Address Photograph Mother's Day The Tale of Melon City The laburnum top Silk Road Childhood Birth Father to Son Landscape of the soul The Ghat of the only World

2	Physics	<p>Chapter 1: Physical World Chapter 2: Units and measurement Chapter 3: Motion in a straight line Chapter 4: Motion in a plane Chapter 5: Laws of motion Chapter 6: Work Energy and Power Chapter 7: System of particles and rotational motion Chapter 8: Gravitation Chapter 9: Mechanical properties of solids Chapter 10: Mechanical properties of fluids Chapter 11: Thermal properties of matter Chapter 12: Thermodynamics Chapter 13: Oscillations Chapter 14: Waves Chapter 15: Ray Optics</p>
3	Chemistry	<p>Unit I: Some Basic concept of Chemistry Unit II: Structure of Atom Unit III: Classification of Elements and Molecular structure Unit IV: Chemical Bonding and Molecular Structure Unit V: States of Matter: Gases, Liquids and Solids Unit VI: Chemical Thermodynamics Unit VII: Equilibrium Unit VIII: Redox Reactions Unit IX: Hydrogen Unit X: S-Block Elements (alkali and alkaline earth metals) Unit XI: P-Block Elements (General Introduction to P – block elements) Unit XII: Organic Chemistry Unit XIII: Hydrocarbons Unit XIV: Environmental Chemistry</p>
4	Biology	<p>Unit I: Diversity of Living Organisms Unit II: Structural Organization in Plants and Animals Unit III: Cell: Structure and Function Unit IV: Plant Physiology Unit V: Human Physiology</p>
5	Mathematics	<p>1.Sets 2.Relations and functions 3.Trigonometry 4.Principle of Mathematical Induction 5.Complex Numbers 6.Linear inequalities and linear programming problems 7.Permutations and Combinations 8.Binomial Theorem 9.Limits-Derivatives and Continuity XI & XII 10.Straight line 11.Conic section 12.Sequence and series 13.Probability XI & XII 14.Matrices</p>

6	Business Studies	<p>Evolution and Fundamentals of business Forms of Business Organisation Public, Private and Global Enterprises Business Services Emerging Modes of Business Social responsibility of Business and Business Ethics Sources of Business Finance Small Business Enterprises Internal Trade International Trade</p>
7	Accountancy	<p>Unit I: Theoretical Framework Unit II: Accounting Process Unit III: Financial Statements of Sole proprietorship from Complete and Incomplete Records Unit IV: Computers in Accounting</p>
8	Economics	<p>Part A: Introductory Microeconomics Unit 1: Introduction Unit 2: Consumer's Equilibrium and Demand Unit 3: Producer Behavior and Supply Unit 4: Forms of Market and Price Determination under Perfect Competition with simple applications.</p> <p>Part B: Statistics for Economics Unit 1: Introduction Unit 2: Collection, Organization and Presentation of data Unit 3: Statistical Tools and Interpretation</p>
9	Psychology	<p>Chapter 1: What is Psychology? Chapter 2: Methods of enquiry in psychology Chapter 3: The bases of human behavior Chapter 4: Human development Chapter 5 : Sensory, attentional and perceptual processes Chapter 6 : Learning Chapter 7 : Human Memory Chapter 8 : Thinking Chapter 9 : Motivation and emotions</p>
10.	History	<p>Ch-1 From the beginning of time Ch-2 Writing and city life Ch-3 An Empire across three continents Ch-4 The Central Islamic lands Ch-5 Nomadic empires Ch-6 The Three Orders Ch-7 Changing Cultural Traditions Ch-8 Confrontation of Cultures Ch-9 The Industrial Revolution Ch-10 Displacing Indigenous people Ch-11 Paths to Modernisation</p>

11.	Political Science	Constitution Why and How Rights in the India Constitution Election and Representation The Executive The Legislature The Judiciary Federalism Local Governments Constitution as a living document Political Theory: An Introduction Freedom Equality Social Justice Rights Citizenship Nationalism Secularism Peace
12.	Painting	<p>1. Pre-Historic Rock-Paintings and Art of Indus Valley (2500 B.C. to 1500 B.C.)</p> <p>2. Buddhist, Jain and Hindu Art (3rd century B.C. to 8th century A.D.) The Art during Mauryan, Shunga, Kushana and Gupta Period and The Art of Ajanta Caves.</p> <p>3. Temple Sculpture, Bronzes and Artistic Aspect of Indo-Islamic Architecture (6th century A.D. to 13th century A.D.)</p> <p>a.) Artistic aspects of Indian Temple sculpture b.) Indian Bronzes Sculptures c.) Artistic aspects of the Indo-Islamic architecture.</p>
13.	Home Science	<p>Unit 1 Concept of home science & its scope. Ch-1 Concept of Home Science & its Scope</p> <p>Unit II Human development: Life span approach(part 1) Ch-2 Introduction to different stages of development. Ch-3 Infancy (Birth to 2 years) Ch-4 Childhood characteristics & behavioral problems. Ch-5 Protection from Preventable Diseases Ch-6 Substitute Care at Home & Outside Ch-7 Special needs & care of disadvantaged & differently abled children. Ch-8 Managing emergencies.</p> <p>Unit II Food, Nutrition, Health & Fitness Ch-9 Definition of Food, Nutrition, Health & Fitness Ch-10 Selection of Foods for Optimum Nutrition & Good Health Ch-11 Selection & storage of foods. Ch-12 Food processing Ch-13 Preparation of food</p>

		<p>Unit –IV Family & Community resources Ch-14 Family & Community resources Ch-15 Management Process Ch-16 Time & energy management Ch-17 Space management: element & principles of design.</p> <p>Unit V Fabric & apparel sciences. Ch-18 Introduction to Fibre Science Ch-19 Fabric Construction Ch-20 Fabric finishes.</p> <p>Unit VI Community development & extension (part I) Ch-21 Respect for Girl Child Ch-22 Income Generating Schemes Ch-23 Communication: Concepts & Methods</p>
14.	Physical Education	Unit-I: Changing Trends & Career in Physical Education Unit-II: Olympic Movement Unit-III: Physical Fitness, Wellness & Lifestyle Unit-IV: Physical Education & Sports for Differently Abled Unit-V: Yoga Unit-VI: Physical Activity & Leadership Training Unit-VII: Test, Measurement & Evaluation Unit-VIII: Fundamentals of Anatomy & Physiology Unit-IX: Kinesiology, Biomechanics & Sports Unit-X: Psychology & Sports Unit-XI: Training In Sports Unit-XII: Doping
15.	Computer Science	Computer overview Software concepts Data representation Microprocessor basics and memory concepts General OOP concepts Getting started with C++ Data handling Operators and expressions in C++ C++ latest standards Flow of control Functions Structured data type : array Structures Programming methodology