Portion for the Mid Term Examination Class 11

Subject	Syllabus
History	1. Growth of Nationalism 2. Emergence of the Colonial Economy 3. Impact of the second phase of industrialization in Europe during the late 19th and early 20th centuries 4. World War I: Causes, events leading to it; major changes in warfare and strategy; peace settlements
Geography	**1.** Geography - its interdisciplinary approach and future prospects **2.** Formation of the Earth **3.** Atmosphere (Till Atmospheric Pressure)
Political Science	1. Introduction to Political Science 2. Fundamental elements 3. Introduction to International relations-1st World war, 2nd World War (Causes and Results) 4. End of Cold War and its impact on the World Order
Accounts	1. Introduction to accounting 2. Basic accounting terms 3. GAAP and Accounting Standards 4. Bases of accounting 5. Accounting equation 6. Journal with GST 7. Ledger 8. Cash book 9. Accounts form incomplete records 10. Bills of exchange (till Dishonour of bill)
Commerce	1. Nature and purpose of business 2. Forms of business organisations: 1. Sole trader 2. Partnership 3. Joint stock company 3. Social responsibility of business 4. Insurance
Economics	1. Definition of economics 2. Basic concepts of Economics 3. Basic problems of an Economy 4. Types of economies 5. Definition, scope, importance and limitations of statistics 6. Collection, organisation and presentation of Data 7. Measures of central value
Mathematics	1. **Sets** :Sets and their representations. Empty set. Finite and Infinite sets. Equal sets. Subsets. Subsets of a set of real numbers especially intervals (with notations). Power set. Universal set. Venn diagrams. Union and Intersection of sets.. Difference of sets. Complement of a set. Properties of Complement of Sets. 2. **Angles and Arc lengths :**Angles: Convention of sign of angles. Magnitude of an angle: Measures of Angles; Circular measure.

	The relation $S = r\theta$ where θ is in radians. Relation between radians and degree. 3. **Trigonometric Functions :-** Relationship between trigonometric functions. Proving simple identities. 4. **Compound and multiple angles** **5. Complex Numbers :** Conjugate, modulus and argument of complex numbers and their properties. Sum, difference, product and quotient of two complex numbers additive and multiplicative inverse of a complex number. Square root of a complex number. Cube roots of unity and their properties. 6. **Quadratic Equations** **Quadratic Functions :** *Given* α, β *as roots then find the equation whose roots are of the form,* α^3, β^3 7. Straight Lines 8. Circle 9. Parabola (Section B) 10. Statistics (Section C)
Biology	1. Transport in Plants 2. Mineral Nutrition 3. Photosynthesis(Till Dark Reactions & C4 Cycle) 4. Animal Tissues 5. The Cell 6. Animal Kingdom
Physics	1. Units and Measurement 2. Laws of motion (upto Free body Diagram) 3. Mathematical Methods in physics (Problems related to application in Physics) 4. Mechanical Property of Solids 5. Hydrodynamics (upto Terminal Velocity) 6. Thermal Properties of Matter Heat , Temperature, Thermal expansion, Calorimetry Specific Heat capacity, Newton's law of Cooling, Heat transfer (Upto Thermal conductivity(Searle's experiment)
Chemistry	1. Some Basic Concepts of Chemistry 2. Classification of elements and periodicity in properties 3. Organic Chemistry-Some basic principles and techniques 4. Atomic Structure
English I	Proposal Writing, Comprehension, Composition, Book-Review, Grammar.
English II	Salvatore, To Build a Fire, Gift of India, Crossing the Bar. The Tempest- Act 1
Computer	1. Number System 2. Binary Arithmetic 3. Logic Gates 4. Boolean Algebra 5. Introduction to OOPS 6. Data Types 7. Operators 8. Basic Programming in Java 9. Decision Making in Java
Physical Education	1. Concept of Physical Education 2. Individual Aspects and Group Dynamics 3. Effects of Physical Exercise on Human Body System 4. Football