



PLUS ONE - SYLLABUS

SUBJECT	TERM I	TERM II
ENGLISH	1.The Portrait of a lady. 2.A photograph. 3.We're not afraid to die...if we can all be together. 4.The voice of the rain. 5.childhood. 6.Father to son. 7.The summer of the beautiful white horse. 8.The address. 9.Ranga's Marriage. 10.Albert Einstein at school.	11..Discovering Tut: the saga continues 12.The Ailing planet : the green movements role. 13. The Browning version. 14. The Tale of Melon city. 15. Mother's day. 16. Birth.
MATHS	1.Sets 2.Relations and functions 3.Trigonometric functions 4.Principle of mathematical induction 5.Complex numbers and quadratic equations 6.Linear inequalities 7.Permutations and combinations 8.Binomial theorem	9.Sequences and series 10.Straight lines 11.Conic sections 12.Introduction to three dimensional geometry 13.Limits and derivatives 14.Mathematical reasoning 15.Statistics 16.Probability
PHYSICS	Part I Unit 1: Physical world and Measurement Unit 2: Motion in a straight line Unit 3: Motion in a plane Unit 4: Laws of motion Unit 5: Work ,Energy & power	Part II Unit 6: System of Particles and Rotational Motion Unit 7: Gravitation Unit 8: Mechanical properties of matter Unit 9: Mechanical Properties of Fluids Unit 10: Waves
CHEMISTRY	Chemistry Part II Unit:9 Hydrogen	Chemistry-II Unit—13 Hydrocarbons Unit---11 The p-block

	<p>Unit:10 The s-Block elements Unit:12 Organic chemistry Some Basic Principles and Techniques Part I</p> <ol style="list-style-type: none"> 1. Some basic concepts of chemistry 2. Structure of atom 3. Classification of elements and periodicity in properties 	<p>elements Unit---8 Redox Reactions Unit--14 Environmental Chemistry</p> <p>Part I</p> <ol style="list-style-type: none"> 4. Chemical bonding and molecular structure 5. States of matter 6. Thermodynamics 7. Equilibrium
BIOLOGY	<p>BOTANY</p> <ol style="list-style-type: none"> 1. The living world 2. Biological classification 3. Plant kingdom 4. Morphology of flowering plants 5. Anatomy of flowering plants 6. Transport in plants <p>ZOOLOGY</p> <ol style="list-style-type: none"> 1. Animal kingdom 2. Structural organization in Animals 3. cell – The unit of life 4. Biomolecules 5. cell cycle and cell division 	<p>BOTANY</p> <ol style="list-style-type: none"> 1. Mineral nutrition 2. photosynthesis in higher plants 3. Respiration in plants 4. plant growth and development <p>ZOOLOGY</p> <ol style="list-style-type: none"> 1. Digestion and Absorption 2. Breathing and Exchange of gases 3. Body fluids and circulation 4. Excretory products and their Elimination 5. Locomotion and movement 6. Neural control and coordination
COMPUTER SCIENCE	<p>Unit I - Computer Fundamentals</p> <ol style="list-style-type: none"> 1. Computer Overview 2. Software concepts 3. Data Representation 4. Microprocessor Basics and Memory Concepts <p>Unit II - Programming Methodology</p> <ol style="list-style-type: none"> 5. Programming Methodology 	<ol style="list-style-type: none"> 8. Operators and Expressions 9. C++ as per latest C++ 11 standard <p>Unit IV - Programming in C++</p> <ol style="list-style-type: none"> 10. Flow of Control 11. Functions 12. Structured Data types 13. Structures 14. General OOP Concepts <p>PRACTICAL - Programming</p>

	<p>Unit III - Introduction to C++</p> <p>6. Getting started with C++</p> <p>7. Data types, Variables and constants</p>	<p>in C++.</p>
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