

# Airport School, Ahmedabad

ACADEMIC SESSION 2019-20

SYLLABUS

CLASS: XI

## SUBJECT: ENGLISH

UNIT/ MONTH	MAIN TEXT BOOK (HORNBILL )	SUPPLEMENTARY READER ( SNAPSHOTS )	ADVANCED WRITING SKILLS
JUNE	L-1, POEM 1	L-1	
JULY	POEM -2 , L-2		LETTER TO THE EDITOR, ADVERTISEMENTS
AUGUST	L-3	L-2 , L- 3	NOTICE, INSTITUTIONAL LETTERS
SEPTEMBER	POEM -3		ARTICLE / SPEECH
OCTOBER	L-4	L-4	
NOVEMBER	L- 5	L-5	JOB APPLICATION
DECEMBER	L-6 POEM 4	L-6	INSTITUTIONAL LETTER
JANUARY	L - 7 , POEM- 5	L - 7	DEBATE WRITING
FEBRUARY	L-8	L - 8	REPORT WRITING
MARCH	REVISION	REVISION	

## SUBJECT: PHYSICS

MONTH	CHAPTERS
June	Ch - 1 Introduction Ch - 2 units and Dimensions
July	Ch - 3 Motion in 1-D Ch - 4 Motion in plane Ch - 5 NLM intro
August	Ch - 5 NLM Ch - 6 Work, Energy & Power Ch - 7 Rotational Dynamics Ch - 8 gravitation
September	Ch - 8 Gravitation Ch - 9 mechanics of solids
October	Ch - 10 Fluid Mechanics Ch - 11 Heat transfer Ch - 12 thermodynamics
November	Ch - 13 Thermodynamics
December	Ch - 14 oscillations
January	Ch - 15 Waves Numerical
February	Numerical

## SUBJECT: CHEMISTRY

MONTH	CHAPTERS
June	1. Some Basic Concept of Chemistry 2. Structure of Atom
July	2. Structure of Atom (contd...) 3. Classification of Elements 9. Hydrogen
August	4. Chemical Bonding & Molecular Structure 8. Red ox
September	10. s-Block Elements
October	5. States of Matter
November	6. Thermodynamics 7. Equilibrium

December	12. Organic Chemistry
January	13. Hydrocarbon
February	14. Environmental Chemistry

**SUBJECT: MATHEMATICS**

<b>MONTH</b>	<b>CHAPTERS</b>
<b>June</b>	Ch1. Sets
<b>July</b>	Ch2. Relations and Functions Ch3. Trigonometric Functions Ch4. Principle of Mathematical Induction
<b>August</b>	Ch4. Principle of Mathematical Induction (Contd...) Ch5. Complex Numbers and Quadratic equations Ch6. Linear Inequalities Ch7. Permutations and Combinations Ch8. Binomial Theorem
<b>September</b>	Ch8. Binomial Theorem(Contd...)
<b>October</b>	Ch9. Sequences and Series
<b>November</b>	Ch9. Sequences and Series (Contd...) Ch10. Straight Lines Ch11. Conic sections
<b>December</b>	Ch11. Conic sections (Contd...) Ch12. Introduction to three dimensional geometry Ch15. Statistics
<b>January</b>	Ch15. Statistics (Contd...) Ch16. Probability Ch13. Limits and Derivatives
<b>February</b>	Ch14. Mathematical Reasoning

**AIRPORT SCHOOL AHMEDABAD  
MONTHLY SYLLABUS: 2019-2020  
STD: XI**

**SUBJECT: BIOLOGY**

<b>MONTH</b>	<b>CHAPTERS/LESSONS</b>
<b>June</b>	Chp-1 Living world Chp-2 Classification
<b>July</b>	Chp-2 Animal kingdom Chp-3 Plant kingdom
<b>August</b>	Chp-16 Digestion in organisms
<b>September</b>	Chp-5 Morphology of flowering Plant Chp-6 Anatomy of animals
<b>October</b>	Chp-7 Structural organisation Chp-8 Unit of life
<b>November</b>	Chp-9 Biomolecules Chp-10 The cell Chp-11 Transportation
<b>December</b>	Chp-12 Mineral Chp-13 And 14 photosynthesis and respiration
<b>January</b>	Chp-15 Plant Growth Chp17 and 18 Breathing and body fluid Chp-19 Excretion
<b>February</b>	REVISION

**SUBJECT: COMPUTER SCIENCE (083)**

<b>Month</b>	<b>Lessons/ Chapters</b>
<b>June</b>	<b>1. Introduction to software</b> <b>2. Basic elements of programming (fundamentals)</b>
<b>July</b>	<b>1. Introduction to object oriented programming</b> <b>2. oops concepts</b>

	<b>3. Need of class and its characteristics</b> <b>4. Basic programs of outputs</b> <b>5. Conditions (if, elif, expressions etc.)</b>
<b>July</b>	<b>1. Importing libraries and its functions</b> <b>2. Introduction of loops, Their Uses and importance</b> <b>3. Programs using loops and conditions</b> <b>4. Programs of string manipulation</b> <b>4. logic building by solving errors and outputs</b> <b>5. Introduction to Spider and its tools</b>
<b>August</b>	<b>1. List, dictionaries and tuples..</b> <b>2. sorting, searching logic progrs using list and dictionaries</b> <b>3. Revision of previous sessions</b> <b>4. introduction to storage system of computer</b>
<b>September</b>	<b>1. Relational Database management system</b> <b>2. My sql Introduction</b> <b>3. Sql Queries – 1</b>
<b>October</b>	<b>1. Revision of python.</b> <b>2. Introduction to Mongo DB.</b>
<b>November</b>	<b>1. Mongo DB, Sql-2</b> <b>2. Boolean Algebra</b>
<b>December</b>	<b>1. Cyber security and its implementations</b> <b>2. Network systems with online accessibilities and securities.</b>
<b>January</b>	<b>1. Revision of List, Tuples and Dictionaries</b> <b>2. STD XII starts.</b>