

**Airport School, Ahmedabad
Academic Session 2019-20**

Subject: English

Class: XII

UNIT/ MONTH	MAIN COURSE BOOK (FLAMINGO)	SUPPLEMENTARY READER (VISTAS)	ADVANCED WRITING SKILLS
APRIL	P-1, L-1, P-2	L-1	
MAY	L- 2		LETTER OF INQUIRY
JUNE	L- 3	L-2, L - 3	INVITATION
JULY	L- 4, POEM-3	L-4	LETTER OF QUOTATION
AUGUST	L-5, L-6, POEM- 4	L-5, L-6	
SEPTEMBER		L-6	DEBATE/REPORT WRITING
OCTOBER	L-7, L-8		LETTER OF COMPLAINT
NOVEMBER	POEM- 5 & 6	L-7	LETTER OF PLACING ORDER
DECEMBER		L-8	POSTER MAKING

**Airport School, Ahmedabad
Academic Session 2019-20**

Subject: Maths

Class: XII

Month	Lessons/ Chapters
March	Ch - 3 (matrix)
April	Ch - 3 (matrix) , Ch - 4 (Determinant) Ch - 2 (Inverse function)
May	Ch - 2 , Ch - 1 (Relations and Functions)
June	Ch - 1 , Ch - 5 (Continuity & Differentiability)
July	Ch - 5, Ch - 6 (AOD), Ch - 7 (Integration)
August	Ch - 7, Ch - 8 (AOI)
September	Ch - 8, Ch - 10 (vector Algebra)
October	Ch - 10, Ch - 11 (3D) , Ch - 12 (LPP)
November	Ch - 12 (LPP) , Ch - 9 (Differential Equation), Ch-13 (Probability)
December	REVISION
January	REVISION

**Airport School, Ahmedabad
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Subject: Biology

Class: XII

MONTH	CHAPTERS/LESSONS
March and April	Chp-1 Reproduction in flower Chp-2 Sexual reproduction Chp-8 human health and diseases
May	Chp-8 human health and diseases Chp-9 Strategies for enhancement of food
June	Chp-10 Microorganism Chp-5 Molecular Biology
July	Chp-6 Molecular Biology
August	Chp-11and Chp-12 biotechnology
September	Chp-3 and chp-4 reproductive health
October	Chp-7 Evolution And 13 ecosystem Chp-14 Population
November	Chp- 15 and 16 environment

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Subject: Physics

Class: XII

Month	Chapter Covered
April -18	Ch -9 Ray Optics Ch - 10 Wave Optics
May - 18	Ch - 1 Electrostatics Ch - 2 Electrostatics
June- 18	Ch - 3 Electricity Ch - 4 magnetostatics
July-18	Ch - 5 magnetism
August-18	Ch - 6 EM induction Ch - 7 Alternating current
September-18	Ch - 7 Alternating current Ch - 8 EM waves
October-18	Ch - 14 Semiconductors Ch - 15 Communication Systems
November-18	Ch - 11 Dual nature of radiation and matter Ch -12 Atoms
December-18	Ch -13 Nuclei Revision
January-19	Revision
February-18	Revision

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Subject: Chemistry

Class: XII

Month (no. of days)	Chapters
March (06)	▲ Haloalkanes & Haloarenes i) Types of halides ii) Nomenclature
April (23)	Haloalkanes & Haloarenes (contd) i) Preparation & properties ii) S_N^1 & S_N^2 reactions iii) Optical Isomerism iv) polyhalogen compounds ▲ Organic compounds containing nitrogen
May (04)	Chemical reactions of diazonium salts
June (12)	▲ Alcohol-Phenols & Ethers, Nomenclature, preparation & properties, ethers.
July (26)	▲ Aldehyde, Ketones & carboxylic acid, preparation properties ▲ Solid State i) amorphous & crystalline solid ii) point defects ▲ Solutions i) Pault's Law ii) Colligative Properties
August (23)	▲ Electrochemistry i) E.M.F. of cell ii) Types of cell iii) corrosion ▲ Chemical Kinetics i) Rate of reactions ii) integrated rate equations iii) collision theory iv) Arrhenius equation
September (12)	▲ Surface Chemistry ▲ Metallurgy
October (15)	▲ p-Block Elements gr. 16,17 & 18 ▲ d-Block Elements i) electronic configuration ii) preparation & properties of $KMnO_4$ & $K_2Cr_2O_7$
November (22)	▲ Coordination Compounds i) Werner's Theory ii) IUPAC nomenclature iii) VBT & CFT ▲ Biomolecules ▲ Polymers ▲ Chemistry in everyday Life
December	Revision

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Subject: Computer

Class: XII

Month	Lessons/ Chapters
April	<p>Opp concepts</p> <ul style="list-style-type: none"> • Data Abstraction • Data Hiding • Encapsulation • Polymorphism • Inheritance • Data Modularity (Chapter over) <p>Class and Objects</p> <ul style="list-style-type: none"> • Need of class • Class properties • Scope of class / Access pacifier • Inline and function defination • Making object, Calling functions • Function overloading • Nested class • Calling class using objects. • Use of multiple objects • Array of an object (Chapter over) <p>Constructor Destructor</p> <ul style="list-style-type: none"> • Intro. constructor • Characteristic of constructors • Type of constructor • Invoking constructors (Chapter continue)
May	<p>Constructor Destructor</p> <ul style="list-style-type: none"> • Use of parameterised constructors • Copy constructor • Constructor overloading • Destructor • Use of destructor (Chapter over) <p>Inheritance</p> <ul style="list-style-type: none"> • Intro. To inheritance • Types of inheritance • Visibilities • Different Characteristics of Visibilities • Effect and accessibilities of public private Protected visibility modes in different types of inheritance. (Chapter Over)
June	<p>Revision of OOPS previous chapters. (Class & Objects, Constructors, Destructors Inheritance)</p> <p>Data File Handling</p> <ul style="list-style-type: none"> • Importance of data storage, Back end tools • Types of data files to be attend • Header files and file classes, file onjects • File handling function and modes. • Data file connectivity, • Text file handling input output methods, logic and programs. • Searching and data manipulation prog. (DFH CONTINUE..)
July	<p>Data file handling continue :</p> <ul style="list-style-type: none"> • Working with record storage read and searching, • Record search, deleting and modifying records using seekg(), tellg() • Menu driven program offering complete file handling • Tips to make projects using DFH, CLASS AND OBJECTS. (<u>Chapter over</u>) <p>Pointers :</p> <ul style="list-style-type: none"> • Importance of pointer and reference operators. • Memory Management with static and dynamic partitions • Pointers with 1 d array, 2d array, class and objects. • Constant pointer, pointer to constant, • Self-referential structures, THIS pointer (<u>Chapter over</u>)

August	<p>Linked List Stacks & Queue :</p> <ul style="list-style-type: none"> • What is linked list, dynamic memory • new, delete • inserting –removing node in to list from front, rear • stacks LIFO method to push-pop nodes in dynamic memory • QUEUE FIFO method to insert remove nodes in dynamic memory • Circular queue • Push and pop operation for values, True, False, OR, AND, NOT operators. • Push and pop operation with postfix to infix operators
September	<p>Boolean Algebra</p> <ul style="list-style-type: none"> • Truth Table • Boolean laws, • Proving Boolean laws using truth table. • Logical circuit diagram with Boolean laws • D’Morgen’s laws • Minterms (SOP) • Maxterms(POS) • Algebraic Equations, minterms maxterms • Complements • Law of duality • K-MAP • Canonical Products and conversion. • NAND, NOR, XNOR logical Gates (Chapter over)
October	<p>Network and Communication</p> <ul style="list-style-type: none"> • Demonstration of network devices • Guided media, topologies, modes • Unguided media, wan, satellite, radio, micro waves, • Communication technology, CDMA, TDMA • Internet Technology, Scripting types, Protocols, soft wear classifications • Creating networks within buildings. (Chapter over)
November	<p>Array</p> <ul style="list-style-type: none"> • Searching methods • Sorting methods • Static Push, pop, insert, delete • Inserting values, removing values from sorted array • 1-D Array Logical Programs • 2-D Array Logical Programs • Row Measure • Column Measure (Chapter over)