

AIRPORT SCHOOL - AHMEDABAD**SYLLABUS 2026-27****CLASS - XII****SUBJECT: ENGLISH**

MONTH	LITERATURE READER	SUPPLEMENTARY READER	WRITING SKILLS	GRAMMAR
April & May	L-1: THE LAST LESSON L-2: LOST SPRING		NOTICE WRITING, FORMAL INVITATION	
	P-1: MY MOTHER AT SIXTY SIX			
June	L-6: POETS AND PANCAKES P-2 KEEPING QUIET	L-1: THE THIRD LEVEL		
		L-2: THE TIGER KING	FORMAL INVITATION & REPLIES	
	PT-1 SYLLABUS L-1 THE LAST LESSON P-1 MY MOTHER AT SIXTY SIX P-1 THE THIRD LEVEL NOTICE WRITING			
July	P-3: THING OF BEAUTY L-3: DEEP WATER	L-3: JOURNEY TO THE END OF THE EARTH	ARTICLE WRITING, INFORMAL INVITATION & REPLIES	
August	L-4: THE RATTRAP	L-4: THE ENEMY	LETTER TO THE EDITOR	
September	P-4: ROADSIDE STAND P-5: AUNT JENNIFER'S TIGER	L-4: THE ENEMY	JOB APPLICATION & RESUME	

	HALF-YEARLY SYLLABUS: L-1: THE LAST LESSON L-2: LOST SPRING L-3: DEEP WATER L-4: THE RATTRAP L-6: POETS AND PANCAKES L-1: THE THIRD LEVEL L-2: THE TIGER KING L-3: JOURNEY TO THE END OF THE EARTH L-4: THE ENEMY P-1: MY MOTHER AT SIXTY SIX P-2: KEEPING QUIET P-3: THING OF BEAUTY WRITING SKILLS NOTICE WRITING INVITATION & REPLIES ARTICLE JOB APPLICATION LETTER WRITING			
October	L-5: INDIGO L-6: GOING PLACES	L-5: ON THE FACE OF IT	REPORT WRITING	
November	L-7: THE INTERVIEW L-8: GOING PLACES	L-6: MEMORIES OF CHILDHOOD		
December	PRE-BOARD EXAMINATION			
October	L-7: THE INTERVIEW	L-6: MEMORIES OF CHILDHOOD		
November	L-8: GOING PLACES			
	PRE-BOARD COMPLETE SYLLABUS			
December				

AIRPORT SCHOOL - AHMEDABAD

SYLLABUS 2026-27

CLASS - XII

SUBJECT: MATHEMATICS

MONTH	CHAPTERS	ACTIVITIES
April	Ch3 Matrices Ch4 Determinants Ch2 Inverse Trigonometric Functions	
May	Ch2 Inverse Trigonometric Functions (Contd...)	
June	Ch2 Inverse Trigonometric Functions (Contd...) Ch1 Relations and Functions Ch5 Continuity and Differentiability	(1) To verify that the relation in the set of all lines in a plane, defined by $R = \{(l, m) : l \perp m\}$ is symmetric but neither reflexive nor transitive. (2) To verify that the relation in the set of all lines in a plane, defined by $R = \{(l, m) : l \parallel m\}$ is an equivalence relation. (3) To demonstrate a function which is not one-one but is onto. (4) To demonstrate a function which is one-one but not onto.
July	Ch5 Continuity and Differentiability (Contd...) Ch6 Application of Derivatives	(5) To find analytically the limit of a function at a point and also to check the continuity of the function at that point.
August	Ch6 Application of Derivatives (Contd...) Ch7 Integrals	(6) To understand the concepts of absolute maximum and absolute minimum of a function in a given closed interval through its graph. (7) To construct an open box of maximum volume from a given rectangular sheet by cutting equal squares from each corner
September	Ch7 Integrals (Contd...)	
Syllabus for H.Y: Chapters: 1, 2, 3, 4, 5 and 6		
October	Ch8 Application of Integrals Ch9 Differential Equations Ch10 Vector Algebra	(8) To verify that angle in a semi-circle is a right angle, using vector method.
November	Ch10 Vector Algebra (Contd...) Ch11 Three Dimensional Geometry Ch12 Linear Programming Ch13 Probability	distance between two points in space and then to verify the distance using distance formula. (10) To explain the computation of conditional probability of a given event A, when event B has already occurred, through an example of throwing a
December	Pre-Board-I Examinations	

AIRPORT SCHOOL - AHMEDABAD**SYLLABUS 2026-27****CLASS - XII****SUBJECT: PHYSICS**

MONTH	LESSONS/CHAPTERS	ACTIVITIES
April and May	Ch 1: Electric Charges and Fields	
	Ch 1: Electric Charges and Fields (Cont..)	Exp 1: To determine resistivity of two / three wires by plotting a graph for potential difference versus current.
	Ch 2 : Electrostatic potential and capacitance	Exp 2: To find resistance of a given wire / standard resistor using metre bridge.
June	Ch 2 : Electrostatic potential and capacitance (Cont...)	Exp 3: To verify the laws of combination (series/parallel) of resistances using a metre bridge.
	Ch 3 : Current electricity	Exp 4: To determine resistance of a galvanometer by half-deflection method and to find its figure of merit.
	Ch 4 : Moving Charges and Magnetism	
July	Ch 4 : Moving Charges and Magnetism (conti...)	Exp 5 : To convert the given galvanometer (of known resistance of figure of merit) into an ammeter and voltmeter of desired range and to verify the same.
		Exp 6: To find the frequency of the ac mains with a sonometer.
	Ch 5: Magnetism and Matter	Exp 7 : To find the value of v for different values of u in case of a concave mirror and to find the focal length.
August	Ch 6: Electromagnetic Induction	Exp 8 : To find the focal length of a convex lens by plotting graphs between u and v or between $1/u$ and $1/v$.
	Ch 7: Alternating Current	
September	Ch 8: Electromagnetic Waves	Exp 9: To find the focal length of a convex mirror, using a convex lens.
	Ch 9: Ray Optics and Optical Instruments	Exp 10: To find the focal length of a concave lens, using a convex lens.
October	Ch 10 : Wave optics	Exp 11: To determine angle of minimum deviation for a given prism by plotting a graph between the angle of incidence and the angle of deviation.
	Ch 11: Dual Nature of Radiation and Matter	Exp 12: To determine refractive index of a glass slab using a travelling microscope.
	Ch 12 Atoms	Exp 13: To find refractive index of a liquid by using concave mirror.
November	Ch 13: Nuclei	Exp 14: To find refractive index of a liquid by using convex lens and plane mirror.
	Ch 14 : Semiconductors electronics: Materials, Devices and Simple Circuits	Exp 15: To draw the I-V characteristics curves of a p-n junction in forward bias and reverse bias.
December	Pre-Board-I Examinations	

AIRPORT SCHOOL - AHMEDABAD**SYLLABUS 2026-27****CLASS - XII****SUBJECT: CHEMISTRY**

MONTH	LESSONS/CHAPTERS	ACTIVITIES
APRIL & MAY	06. Haloalkanes & Haloarenes	Volumetric Analysis KMnO ₄ Vs Mohar's Salt
	07. Alcohol, Phenols, Ethers	Volumetric Analysis KMnO ₄ Vs Oxalic Acid
JUNE	07. Alcohol, Phenols, Ethers(cont)	Salt Analysis: Group-0
	01. Solution	Salt Analysis: Group-1
JULY	02. Electrochemistry	Salt Analysis: Group-2
	03. Chemical Kinetics	Salt Analysis: Group-3
AUGUST	08. Aldehydes, Ketones and Carboxylic Acids	Salt Analysis: Group-4
		Salt Analysis: Group-5
		Salt Analysis: Group-6
SEPTEMBER	Revision	Content Based Experiment (Org.Comp. Identification)
	09. Amines	Content Based Experiment (Org.Comp. Identification)
OCTOBER	09. Amines (continued)	Content Based Experiment (Org.Comp. Identification)
	04. D and F block elements	Content Based Experiment (Org.Comp. Identification)
NOVEMBER	05. Coordination compound.	Content Based Experiment (Org.Comp. Identification)
	10. Biomolecules	Revision & Journal Completion
DECEMBER	Revision	
	Pre- Board Examination	

AIRPORT SCHOOL - AHMEDABAD

SYLLABUS 2026-27

CLASS - XII

SUBJECT: BIOLOGY

MONTH	LESSONS/CHAPTERS	ACTIVITIES
APRIL & MAY	Chapter 1:- Reproduction in flowering plants	Exp 1:- Pollen germination (slide Preparation)
	Chapter 2:- Human Reproduction	Exp 2:- Adaptation to Pollination, Emasculation and bagging
JUNE	Chapter 3:- Reproductive Health	Exp 3:- Mendelian characteristics
	Chapter 4:- Principles of Inheritance	Exp 4:- Study of Pedigree Chart and
JULY	Chapter 5:- Molecular Basis of Inheritance	Exp 5:- Specimen observation related to diseases.
	Chapter 7:- Human Health and Diseases	Exp 6:- Permanent slide observation of Meiosis
	PT 1 Syllabus: Chapter 1 and 2	Exp 7:- DNA Isolation
AUGUST	Chapter 8:- Microbes in Human welfare	Exp 8:- Plant population density and frequency
	Chapter 11:- Organisms and Populations	
SEPTEMBER	HY Syllabus Chapter 1 to 5 ,7 and 8	REVISION
	Chapter 9 :- Biotechnology: Principles and Processes	
OCTOBER	Chapter 9 :- Biotechnology: Principles and Processes (conti.)	Exp 9:- Specimen observation
	Chapter 10:- Biotechnology and its applications	
NOVEMBER	Chapter 12: Ecosystem	Exp 10:- Study of Homologous and analogous organs through chart
	Chapter 13:- Biodiversity and Conservation	
	Chapter 6:- Evolution	
DECEMBER	Revision	
	Pre-Board Examination	

AIRPORT SCHOOL - AHMEDABAD

SYLLABUS 2026-27

CLASS - XII

SUBJECT: COMPUTER SCIENCE

MONTH	LESSONS/CHAPTERS	ACTIVITIES/PRACTICALS
April	Python Data File Handling(Text file) Python Basic revision.	Working with characters, words, lines, applying paths to python programs
June	Python Dta File Handling(Binary,CSV) Exception Handling in Detail	Python Data File Handling(ile) programs. Exception Handling prog. Logical programes of list, tuples and dictionaries with searching, sorting.
July	Python - Mysql Connectivity .	Python - Mysql Connectivity Progs. with different queries.
	PT-I Python Basic, DFH, Mysql Python Connection	
August	Functions, [Inbuilt-Predefined-UDF, Libraries, Packages, Modules]	Prdefined functions, and its libraries with package creating and use of modules.
September	Linked list, Stacks, Queues, Stack Implimantation	Pushing popping, add, remove search values from data structure stac and queues
	HY Exam : PT1 Syllabus + Data structure,Functions	
October	DBMS, Mysql DDL,DML,Mysql	SQL Queries making data base, adding values, searching filtering altering and removing records from database.
November	Netwok and communication	Connecting tables, equi, non equi joins, aggrigate functions. CS project solutions. Python - Mysql practice and doubts solving.
December	Pre Board Examination : Full Course	