

Airport School - Ahmedabad

Syllabus and Paper Pattern (Half Yearly Exams)

Academic Session 2026-27

Class - XII (SCIENCE)

S.No.	SUBJECT	SYLLABUS	PAPER PATTERN
1	ENGLISH	FLAMINGO (PROSE)	SECTION A READING (22 MARKS)
		CH 1. THE LAST LESSON	Q1. UNSEEN PASSAGE
		CH 2. LOST SPRING	Q2. UNSEEN PASSAGE
		CH 3. DEEP WATER	SECTION B CREATIVE WRITING SKILLS (18 MARKS)
		CH 4. THE RATTRAP	Q3. ATTEMPT ANY ONE OUT OF 2 (NOTICE WRITING)
		(POEM)	Q4. ATTEMPT ANY ONE OUT OF 2 (INVITATION WRITING)
		P 1. MY MOTHER AT 66	Q5. ATTEMPT ANY ONE OUT OF 2 A) JOB APPLICATION B) LETTER TO THE EDITOR
		P 2. KEEPING QUIET	Q6. ATTEMPT ANY ONE OUT OF 2 A) ARTICLE B) REPORT
		P 3. THINGS OF BEAUTY	
		P 4. AUNT JENNIFER'S TIGER	SECTION C LITERATURE (40 MARKS)
		VISTAS	Q7. SEEN POEM EXTRACT (ANY ONE OUT OF 2)
		CH 1. THE THIRD LEVEL	Q8. SEEN PROSE EXTRACT FROM VISTAS (ANY ONE OUT OF 2)
		CH 2. TIGER KING	Q9. SEEN PROSE EXTRACT FROM FLAMINGO (ANY ONE OUT OF 2)
		CH 3. JOURNEY TO THE END OF THE EARTH	Q10. ANSWER ANY 5 OUT OF 6 OF THE FOLLOWING QUESTIONS (FLAMINGO) (5X2)
			Q11. ANSWER ANY 2 OUT OF 3 OF THE FOLLOWING QUESTIONS (VISTAS) (2X2)
		CREATIVE WRITNG	Q12. ANSWER ANY 1 OUT OF 2 LONG ANSWER (FLAMINGO)
		NOTICE AND INVITATION	Q13. ANSWER ANY 1 OUT OF 2 LONG ANSWER (VISTAS)
		FORMAL LETTER: JOB APPLICATION , EDITOR	
		ARTICLE OR REPORT	
2	PHYSICS	1. Electric charges and fields	Section- A
		2. Electrostatic potential and capacitance	Contains sixteen questions (12 MCQ+4 Assertion Reason) of 1 mark each.
		3. Current electricity	Section -B
		4. Moving charges and Magnetism	Contains 5 questions of two marks each. (with one internal choice)
		5. Magnetism and Matter	Section -C
		6. Electromagnetic Induction	Contains 7 questions of three marks each. (with one internal choice)
			Section- D
			Contains two case study based questions of 4 marks each. (With one internal choice in each)
			Section -E
			Contains three long questions of five marks each. (with three internal choice)

3	CHEMISTRY	1. Solution	There are 33 questions in this question paper with internal choice.
		2. Electrochemistry	Section-A consist of 16 multiple choice question carrying 1 mark each[1 to 12 M.C.Q & 13 & 13 to 16 A.R.]
		3. Chemical kinetics	Section-B consist of 5 short answer questions carrying 2 marks each.
		6. Haloalkane & Haloarenes	Section - C consists of 7 short answer questions carrying 3 marks each.
		7. Alcohol, Phenols & Ether	Section - D consists of 2 case - based questions carrying 4 marks each.
			Section - E consist of 3 long answer questions carrying 5 marks each.
4	MATHEMATICS	Ch1 Relations & Functions	The question paper consists of 38 questions which are divided into 5 sections A, B, C, D and E.
		Ch2 Inverse Trigonometric Functions	In Section A , Question nos. 1 to 18 are multiple choice questions (MCQs) with only one correct option and Question nos. 19 and 20 are Assertion-Reason based questions of 1 mark each.
		Ch3 Matrices	In Section B , Question nos. 21 to 25 are Very Short Answer (VSA)-type questions, carrying 2 marks each.
		Ch4 Determinants	In Section C , Question nos. 26 to 31 are Short Answer (SA)-type questions, carrying 3 marks each.
		Ch5 Continuity and Differentiability	In Section D , Question nos. 32 to 35 are Long Answer (LA)-type questions, carrying 5 marks each.
		Ch6 Application of Derivatives	In Section E , Question nos. 36 to 38 are Case study-based questions, carrying 4 marks each.
			There is no overall choice. However, an internal choice has been provided in 2 questions in Section B, 3 questions in Section C, 2 questions in Section D and one subpart each in 2 questions of Section E.
5	BIOLOGY	Chapter 1:- Reproduction in flowering plants	The question paper consists of 5 sections A, B, C, D and E.
		Chapter 2:- Human Reproduction	Section-A has 16 questions of one mark each. (no internal choice)
		Chapter 3:- Reproductive Health	Section-B has 5 questions of 2 marks each. (one question with internal choice)
		Chapter 4:- Principles of Inheritance	Section-C has 7 questions of 3 marks each. (one question with internal choice)
		Chapter 5:- Molecular Basis of Inheritance	Section-D has 2 case-based questions of four marks each. (one question with internal choice)
		Chapter 7:- Human Health and Diseases	Section-E has 3 questions of 5 marks each. (each question with internal choice)
		Chapter 8:- Microbes in Human welfare	
		Std 11 (Python Basics)	Section A has 21 questions carrying 01 mark each.

6	COMPUTER SCIENCE	List, Tuples, Dictionaries.	Section B has 07 Very Short Answer type questions carrying 02 marks each.
		Std 12	Section C has 03 Short Answer type questions carrying 03 marks each.
		Dfh (.txt,.bin.csv),Paths (Absolute,Relative)	Section D has 04 Long Answer type questions carrying 04 marks each.
		Functions inbuilt,pre define, udf, call by value, default value, modules, library, package)	Section E has 02 questions carrying 05 marks each. One internal choice is given in Q35.
		Data Structure. (Stack) , DBMS-MySQL	
		Python- MySQL Connectivity	