Airport School - Ahmedabad

Syllabus and Paper Pattern (Half Yearly Exams)

Academic Session 2025-26

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 AND 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)
		7.Alternating Currents	**Section- D**

			Contains two case study based questions of 4 marks each. (With one internal choice in ...)
			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.]
		5. C0-ordination Compound	**Section-B** consist of 5 short answer questions carrying 2 marks each.
		10. Haloalkane & Haloarenes	**Section - C** consists of 7 short answer questions carrying 3 marks each.
		11. Alcohol,Phenols & Ethers	**Section - D** consists of 2 case - based questions carrying 4 marks each.
		4. The d & f-block elements	**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**.
		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)

5	**BIOLOGY**	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	
6	**COMPUTER SCIENCE**	**Std 11 (Python Basics)**	**Section A** has 21 questions carrying 01 mark each.
		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 inbuit,pre define, udf, call by value, default value, module library, package)	**Section E** has 02 questions carrying 05 marks each. One internal choice is given in Q35.
		Data Structure. (Stack) , Data Base Management	
		Python- MySql Connectivity	