

AIR FORCE SCHOOL BARRACKPORE

SPLIT - UP SYLLABUS

CLASS - XII SCIENCE

CLASS XII ENGLISH SYLLABUS

Exam	Syllabus
PT 1	Comprehension Notice, Letter – Job Application & Editor Flamingo – Last Lesson, Lost Spring, Deep Water, My Mother at 66, Keeping Quiet Vista – Third Level, Tiger King, Journey to the End of the Earth
Half-yearly	Invitation, Article Flamingo – Rattrap, Indigo, Poet and Pancakes, Thing of Beauty, Roadside Stand Vista – Enemy, On the Face of It + PT 1 Syllabus
Pre-Board or Annual	Report Flamingo – Interview, Going Places, Aunt Jennifer’s Tigers Vista – Memories of Childhood ALS Project – Lost Spring / Memories of Childhood + Full Syllabus

CLASS XII MATHEMATICS SYLLABUS

Exam	Syllabus
PT 1	Matrices Determinants Continuity Differentiability
Half-yearly	Matrices Determinants Continuity Differentiability Relations and functions Application of Calculus
Pre-Board or Annual	Relations and Functions Algebra Calculus Vector and Three dimensional geometry Linear Programming Problem Probability

CLASS XII PHYSICAL EDUCATION SYLLABUS

Exam	Syllabus
PT 1	Management of sporting events Children and Women in Sports Yoga as preventive measures for lifestyle disease
Half-yearly	P T-1 Physical education and sports for CWSN Sports and Nutrition Test and measurement in sports Physiology and injuries in sports
Pre-Board or Annual	Half-yearly Biomechanics and Sports Psychology and sports Training in sports

CLASS XII CHEMISTRY SYLLABUS

Exam	Syllabus
PT 1	1.Haloalkanes and Haloarenes 2.Alcohols,Phenols and Ethers 3.Half portion of Solutions
Half-yearly	1.Haloalkanes and Haloarenes 2.Alcohols,Phenols and Ethers 3. Solutions 4.Electrochemistry 5.The d and f block elements 6.Coordination compound 7.Half portion of chemical kinetics
Pre-Board or Annual	1.Haloalkanes and Haloarenes 2.Alcohols,Phenols and Ethers 3. Solutions 4.Electrochemistry 5.The d and f block elements 6.Coordination compound 7.Chemical kinetics 8.Aldehydes,Ketones and Carboxylic Acids 9.Biomolecules 10.Amines

HINDI SYLLABUS

Exam	Syllabus
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PT 1	<p>गद्य खंड</p> <p>पाठ 11 - भक्तिन</p> <p>पाठ 12 - बाजार दर्शन</p> <p>काव्य खंड</p> <p>पाठ 1- आत्मपरिचय, एक गीत</p> <p>पाठ 2 - पतंग</p> <p>पाठ 3 - बात सीधी थी पर</p> <p>रचनात्मक लेखन</p>
Half-yearly	<p>गद्य खंड</p> <p>पाठ 13- काले मेघा पानी दे ।</p> <p>पाठ 14 - पहलवान की ढोलक</p> <p>काव्य खंड</p> <p>पाठ 4 - कैमरे में बंद अपाहिज</p> <p>पाठ 6 - उषा</p> <p>पाठ 7 - बादल राग</p> <p>वितान</p> <p>पाठ 1 सिल्वर वैडिंग</p> <p>पाठ 2 जूझ</p> <p>अपठित गद्यांश/पद्यांश</p>

	अभिव्यक्ति और माध्यम + PT 1 Syllabus
Pre-Board or Annual	गद्य खंड पाठ 17 - शिरीष के फूल पाठ 18 - श्रम विभाजन काव्य खंड पाठ - 8 बादल राग पाठ - 10 छोटा मेरा खेत वितान पाठ -3 अतीत में दबे पांव मौखिक श्रवण कौशल परियोजना कार्य + Full Syllabus

Class XII Biology Syllabus

Exam	Syllabus
PT 1	Chapter 2 – Sexual Reproduction in flowering Plant

	Chapter 3 – Human Reproduction Chapter 4 – Reproductive Health
Half yearly	Chapter 5 – Principle of inheritance and variation Chapter 6 – Molecular basis of Inheritance Chapter 7 – Evolution Chapter 8– Human Health and Disease
Pre-Board 1 Pre-Board 2 CBSE Examination	Chapter 10- Microbes in Human Welfare Chapter 11- Biotechnology: Principle and Process Chapter 12- Biotechnology and its Application Chapter 13- Organisms and Populations Chapter 14 - Ecosystem Chapter 15- Biodiversity and its Conservation PT 1 + Half yearly Syllabus

Practical	<p>A.List of Experiments</p> <ol style="list-style-type: none"> 1.Prepare a temporary mount to observe pollen germination. 2.Study the plant population density by quadrat method. 3.Study the plant population frequency by quadrat method. 4.Prepare a temporary mount of onion root tip to study mitosis. 5.Isolate DNA from available plant material such as spinach, green pea seeds, papaya, etc. <p>B. Study and observe the following (Spotting):</p> <ol style="list-style-type: none"> 1. Flowers adapted to pollination by different agencies (wind, insects, birds). 2. Pollen germination on stigma through a permanent slide or scanning electron micrograph. 3. Identification of stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice). 4. Meiosis in onion bud cell or grasshopper testis through permanent slides. 5. T.S. of blastula through permanent slides (Mammalian).
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	<p>6. Mendelian inheritance using seeds of different colour/sizes of any plant.</p> <p>7. Prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and colour blindness.</p> <p>8. Controlled pollination - emasculation, tagging and bagging.</p> <p>9. Common disease causing organisms like Ascaris, Entamoeba, Plasmodium, any fungus causing ringworm through permanent slides, models or virtual images or specimens. Comment on symptoms of diseases that they cause.</p> <p style="text-align: center;">Investigatory Project with Report + Practical file + Viva voce</p>
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Class XII Physics Syllabus

Exam	Syllabus
PT 1	<p>Chapter 1 – Electric charges and fields.</p> <p>Chapter 2 – Electrostatic potential and capacitance.</p> <p>Chapter 3 – Current electricity.</p>
Half yearly	<p>Chapter 4 – Moving charges and magnetism.</p> <p>Chapter 5 – Magnetism and matter.</p> <p>Chapter 6 – Electromagnetic Induction.</p> <p>Chapter 7 – Alternating current.</p> <p>Chapter 8 – Electromagnetic Waves.</p>
Pre-Board 1 Pre-Board 2	<p>Chapter 1 to chapter 15 (Whole book, part 1 and part 2).</p> <p style="text-align: center;">+ PT 1 + Half yearly Syllabus</p>

CBSE Examination	
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