



AIR FORCE SCHOOL YELAHANKA

ACADEMIC SESSION 2025-26

SPLIT UP SYLLABUS

CLASS - XI

SUBJECT-ENGLISH

Text book: Hornbill, Snapshot
Publisher: NCERT

Periods per week: 08

No. of working days: 205

Month	No of Periods	Topic/Chapter Name
June,	8	HORNBILL (core course) PROSE: 1. The Portrait of a Lady POEM : 1. A Photograph READING:Unseen passage WRITING: Classified advertisement writing
July,	32	<i>HORNBILL (core course)</i> <i>PROSE: 2. We're not Afraid to Die</i> <i>SNAPSHOT (supplementary)</i> <i>1. The Summer of the Beautiful White Horse</i> <i>READING:case based factual passage</i> <i>GRAMMAR: Tenses</i>
Aug.	34	HORNBILL (core course) PROSE: 3.Discovering Tut: The Saga Continues POEM : 2. The Laburnum Top SNAPSHOT (supplementary) 2. The Address WRITING:Poster Making GRAMMAR:Clauses
Sept.,	11	HORNBILL (core course) PROSE: 7. The Adventure POEM : 3. The Voice of the Rain Note - Making
Oct.	24	<i>HORNBILL (core course)</i> <i>PROSE: 8.Silk Road</i> <i>SNAPSHOT (supplementary)</i> <i>5. Mother's Day</i> <i>WRITING: Speech Writing</i> <i>ALS ACTIVITIES</i> <i>PROJECT WORK</i>
Nov	24	HORNBILL (core course) POEM : 4. Childhood SNAPSHOT (supplementary) 7. Birth Summarization of passage GRAMMAR:Re-ordering of sentences
Dec.	21	HORNBILL (core course) POEM : 5. Father to Son

		SNAPSHOT (supplementary) 8. The Tale of Melon City WRITING: Debate Writing ALS ACTIVITIES
Jan.	22	GRAMMAR: Transformation of sentences ALS ACTIVITIES PROJECT WORK
Feb	31	Revision for Annual Exam Assessment of ALS activities Project and Viva
Mar.		<i>Annual Exam</i>

SUBJECT-MATHEMATICS

Text book: Mathematics Textbook for Class XI

Publisher: NCERT

*Periods per week:*8

*No. of working days:*205

Month	No of Periods	Topic/Chapter Name
April		
June	08	Sets
July	26	Relations and Functions Trigonometric Functions
Aug.	24	Complex Numbers and Quadratic Equations Linear Inequalities Permutations and Combinations
Sept.	21	Binomial Theorem Sequence and Series
Oct.	20	<i>Straight Lines</i> <i>Conic Sections</i>
Nov.	23	Introduction to 3-D Geometry Limits and Derivatives
Dec.	18	Statistics
Jan.	24	Probability
Feb.	23	Revision
Mar.	25	<i>Annual Exam</i>

SUBJECT-PHYSICS

Text book: PHYSICS

Publisher: NCERT

Periods per week: 7

No. of working days: 205

Month	No of Periods	Topic/Chapter Name
April		
May		
June,	8	Chapter 1: Units and measurements
July,	26	<i>Chapter 2 : Motion in a straight line</i> <i>Chapter 3 : Motion in a plane</i>
Aug.	24	Chapter 4: Laws of motion Chapter 5 :Work , energy and power
Sept.,	21	Revision....
Oct.	20	<i>Chapter 6 : System of particles and rotational motion</i> <i>Chapter 7 : Gravitation</i>
Nov	23	Chapter 8: Mechanical properties of solids Chapter 9: Mechanical properties of fluids Chapter 10: Thermal properties of Matter
Dec.	18	Chapter 11: Thermodynamics
Jan.	24	Chapter 12: Kinetic theory
Feb	23	Chapter 13: Oscillations Chapter 14: Waves
Mar.	25	

SUBJECT-CHEMISTRY (043)

Text book: Chemistry Part 1 and Part 2, Class 11

Publisher: NCERT

Periods per week: 07

No. of working days: 205

Month	No of Periods	Topic/Chapter Name
April		
June	08	Chapter 1. Some Basic Concepts of Chemistry
July	25	Chapter 1. Some Basic Concepts of Chemistry (Conti..) Chapter 2. Structure of atom Revision for PT 1 Chapter 3. Classification of elements and periodicity in properties
August	22	Chapter 3. Classification of elements and periodicity in properties (Conti..) Chapter 4. Chemical bonding and molecular structure
September	05	Revision for Half Yearly Exam
October	19	Chapter 7. Redox reaction Chapter 8. Organic chemistry: Some basic principles and techniques
November	21	Chapter 8. Organic chemistry: Some basic principles and techniques (Conti..) Chapter 9: Hydrocarbons
December	18	Chapter 9: Hydrocarbons (Conti..) Chapter 5. Chemical thermodynamics
January	22	Revision for PT 3 (Conti..) Chapter 6. Equilibrium Revision for Annual Exam
February	23	Revision for Annual Exam Practical Exam
March		Annual Exam 2025-26

SUBJECT-BIOLOGY

Textbook: BIOLOGY

Publisher: NCERT

Periods per week: 07

No. of working days: 205

Month	No of Periods	Topic/Chapter Name
June,	08	DIVERSITY IN THE LIVING WORLD. 1. The Living World 2. Biological Classification 3. Plant Kingdom
July,	26	REVISION FOR PT- 1 (Conti.....) 4. Animal Kingdom PLANT PHYSIOLOGY 11. Photo Synthesis in Higher Plants 12. Respiration in Plants 13. Plant Growth and Development
Aug.	25	STRUCTURAL ORGANISATION IN PLANTS AND ANIMALS 8. Morphology of Flowering Plants 9. Anatomy of Flowering Plants 10. Structural Organisation in Animals
Sept.,	21	REVISION FOR HALF YEARLY EXAMINATION
Oct.	20	HUMAN PHYSIOLOGY 14. Breathing and Exchange of Gases 15. Body Fluids and Circulation 16. Excretory Products and their Elimination
Nov	23	17. Locomotion and Movement 18. Neural Control and Coordination
Dec.	18	<i>CELL : STRUCTURE AND FUNCTION</i> 8. Cell The Unit of Life 9. Biomolecules 10. Cell Cycle and Cell Division REVISION FOR PT - 3
Jan.	24	REVISION FOR PT- 3 (Conti....) 19. Chemical Coordination and Integration
Feb	23	REVISION FOR ANNUAL EXAMINATION 2024-25
Mar.	23	<i>ANNUAL EXAMINATION 2024-25</i>

SUBJECT-COMPUTER SCIENCE

Text book: Computer Science with Python

Publisher: Sumita Arora

Periods per week: 8

No. of working days: 205

Month	No of Periods	Topic/Chapter Name
June	08	Ch-1 Computer System Overview
July	26	Ch-2 Data representation Ch-3 Boolean Logic Ch-4 Introduction to Problem-solving
Aug	24	Ch-5 Getting started with Python Ch-6 Python Fundamentals
Sept	21	Ch-7 Data Handling
Oct	20	Ch-8 Flow of Control Ch-9 String Manipulation
Nov	23	Ch-10 List Manipulation Ch-11 Tuples Ch-12 Dictionaries
Dec	18	Ch-13 Introduction to Python Modules
Jan	24	Ch-14 Introduction to IT Ch-15 Cyber Safety Ch-16 Online Access and Computer Security
Feb	23	Revision for Session Ending Exam Revision for Practical Examination Practical Examination
Mar	25	<i>Session Ending Examination</i>

SUBJECT-PHYSICAL EDUCATION

Text book: PHYSICAL EDUCATION

Publisher: LAXMI PUBLICATIONS

Periods per week: 8

No. of working days: 205

Month	No of Periods	Topic/Chapter Name
June,	08	Ch. 1 Changing Trends and Career in Physical Education
July,	24	Ch. 2 Olympic Value Education Ch. 3 Yoga
Aug.	28	Ch.4 Physical Education and Sports for CWSN Ch. 5 Physical Fitness and Wellness
Sept.,	10	Revision for Term I Examination
Oct.	20	Ch. 6 Test Measurement and Evaluation
Nov	28	Ch. 7 Fundamental of Anatomy and Physiology in Sports
Dec.	19	Ch. 8 Fundamental of Kinesiology and Biomechanics in Sports
Jan.	24	Revision for PT – 3 Ch. 9 Psychology and Sports Ch.10 Training and Doping in Sports
Feb	23	Practical Examination/ Viva Revision for Annual Examination
Mar.		

SUBJECT-PHYSICS PRACTICAL

Text book: Lab Manual for Physics, Class 11
Publisher: NCERT

Periods per week: 02

No. of working days: 205

Month	No of Periods	Topic/Chapter Name
April		
June,		
July,	8	<i>1: Use of vernier caliper to find the diameter of cylinder</i>
Aug.	8	2 : Use of micrometer screw gauge to find the diameter of wire
Sept.,	6	
Oct.	6	<i>3 : Find the refractive index of prism</i>
Nov	8	4 : Determination of magnetic movement of a short bar magnet using a deflecting magneto meter
Dec.	8	5: Find the coefficient of restitution
Jan.	8	Revision
Feb	4	Revision
Mar.		

SUBJECT-CHEMISTRY PRACTICAL

Text book: Lab Manual for Chemistry, Class 11
Publisher: NCERT

Periods per week: 02

No. of working days: 212

Month	No of Periods	Topic/Chapter Name
April		
June	02	1) Basic Laboratory Techniques
July	10	2) Quantitative Estimation Quantitative Estimation I Quantitative Estimation II Quantitative Estimation III Quantitative Estimation IV
August	08	3) Qualitative Analysis Salt Analysis -1 Salt Analysis -2 Salt Analysis -3 Salt Analysis -4
September	04	Term 1 (Half Yearly) Practical Examination 2025-26
October	06	3) Qualitative Analysis (Conti..) Salt Analysis- 5 Salt Analysis -6 Salt Analysis -7 Salt Analysis -8
November	08	7) Characterisation and purification of Chemical Substances 8) Detection of – Nitrogen, Sulphur and Chlorine in organic compounds
December	06	9) Project Work
January	08	9) Project Work (Conti..) Annual Practical Examination, 2025-26
February		
March		

SUBJECT-BIOLOGY PRACTICAL

Textbook: COMPREHENSIVE LAB MANUAL BIOLOGY

Publisher: NCERT

Periods per week: 04

No. of working days: 241

Month	No of Periods	Topic/Chapter Name
June	02	1. Study of Parenchyma, Collenchyma, Sclerenchyma. 2. Spotting of Plant Specimens - Mushrooms, Spyrogyra, Moss, Fern, Pinus, One Dicot, One Monocot Plant. 3. A Spotting of Animal Specimen Amoeba, Ascaris, Leech, Earthworm, Snail,
July,	06	4. <i>Study of Osmosis by Potato Osmometer</i> 5. <i>Study of Distribution of Stomata in the Upper and Lower Surface of Leaves</i> 6. <i>Study of Different Modification in Roots, Stem and leaves</i> 7. <i>Study of Different Modification in Roots, Stem and leaves</i> 8. <i>Food Taste - Taste for the Presence of the in Suitable Plants and Animals</i> A) Sugar. B) Fat
Aug.	08	9. Investigatory Project Discussion, Submission in Annual Practical Exam 10. Study of T.S. of Dicot Root and Monocot Revision for Half Yearly Examination
Sept.,	02	Revision for Half Yearly Examination 11. Food Taste - Starch
Oct.	08	12. <i>Study of Human Skeleton. A) Axial</i> 13. <i>Study of Mitosis in Onion Roots Tip Cells from Permanent Slides</i>
Nov	06	14. Study of Human Skeleton. B) Appendicular 15. Study of Bones and Joints in Human Skeleton
Dec.	08	Lab Manual Completion and Submission
Jan.	06	Investigatory Project Submission
Feb	04	Revision for Annual Examination
Mar.		