



AIR FORCE SCHOOL JODHPUR

CLASS – IX

SUBJECT	TERM 1	TERM 2
IT	PART – A	PART – B
	Communication Skill	Electronic spreadsheet
	Self Management Skill	Digital Presentation
	Information and communication skill	IT applications
	Enterpreneurial Skill	Both Part A and Part B for final exam
	Green Skill	
	Part B	
	Digital Documentation	
English	Beehive: Ch. 1, 2, 3, 4, 5 Poems – 1,2,3,4 Moments: 1, 2, 3 Grammar: Tenses, Determiners, subject Verb Concord, Modals, Reported Speech Writing: Descriptive Paragraph, Story Writing, Diary Entry Reading Comprehension	Beehive: Ch. 1, 2, 3, 4, 5, 6, 8, 10, 11 Poems – 1,2,3,4,5,6,8,10 Moments: 1, 2, 3, 4, 5, 7, 8, 10 Grammar: Tenses, Determiners, subject Verb Concord, Modals, Reported Speech Writing: Descriptive Paragraph, Story Writing, Diary Entry Reading Comprehension
Hindi	(□□□□ □□□) □□□ 1,2,3,4,	1,2,3,4,5,6,7
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Maths	Ch 2,3,4,6,7,8,10	Whole course
Science	Ch 1 Matter in our surroundings Ch 2 Is matter in our surroundings pure Ch 5 The fundamental unit of life Ch 6 Tissues Ch 7 Motion Ch 8 Force and laws of motion	Ch 3 Atoms and molecules Ch 4 Structure of Atom Ch 9 Gravitation Ch 10 work and energy Ch 11 work and energy Ch 12 Sound Ch Ch 13 Improvement in food resources
S.ST	History --1.The French revolution 2.Socialism in Europe and Russian	History 1.Nazism and the Rise of Hitler 2.Forest society and colonialism

	revolution	3.Pastoralists in the modern world.
	Geography- 1.India --Size and location 2.Physical features of India 3.Drainage	Geography-- 1.Climate 2.Population 3.Natural vegetation and wildlife
	Civics--What is democracy Why democracy. 2.Contitutional Design 3.Electoral politics	Civics--1.Working of Institutions 2.Democratic Rights
	Economics---1.The story of village Palampur 2.People as a Resource	Economics --1.Poverty as a challenge 2.Food Security in India
ARTIFICIAL INTELLIGENCE	PART – A	Part B
	Communication Skill	Unit 2 – Problem Solving
	Self Management Skill	Unit 3 – Neural Networks
	Information and communication skill	Unit 4 – Introduction To Python
	Enterpreneurial Skill	
	Green Skill	
	Part B	
	Unit 1 – Introduction To AI	
Music	Congo □□ tempo rhythm	karaoke song practice
Drawing	1.Basic element of art, 2.Sketching and shading, 3.Landscape (different technique) ,4.human figure (daily life)	5.Portrait (pencil/water colours) 6.Texture study (Doodling art, varli painting), 7.Best out of waste (greeting card making and poster making, printing)

CLASS – X

SUBJECT	TERM 1	TERM 2
Hindi Mates	<ol style="list-style-type: none"> 1. Number system 2. Algebra 3. Coordinate geometry 4. Geometry 5. Trigonometry 6. Mensuration 7. Statistics and probability 	<ol style="list-style-type: none"> 1. Algebra (cont.) 2. Geometry(cont.) 3. Trigonometry(cont.) 4. Mensuration(cont.) 5. Statistics and probability(cont.)
S.ST.History	<ol style="list-style-type: none"> 1.The Rise of Nationalism in Europe 2. Nationalism in India 3.The making of the global world 	<ol style="list-style-type: none"> 1.The age of Industrialisation 2 Print culture and the modern world
Geography	<ol style="list-style-type: none"> 1.Resources and development 2.Forest and wildlife resources 3.water Resources 4.Agriculture 	<ol style="list-style-type: none"> 1.Minerals and energy resources 2Manufacturing Industries 3.Lifelines of national economy
Civics	<ol style="list-style-type: none"> 1.Power sharing 2.Federalism 3.Gender, Religion and caste 	<ol style="list-style-type: none"> 1.Political Parties 2.Outcomes of Democracy
Economics	<ol style="list-style-type: none"> 1.Development 2.Sectors of Indian economy 	<ol style="list-style-type: none"> 1.Money and Credit 2.Globalisation and the Indian economy
SCIENCE	Chemical Substances-Nature and Behavior: Chapter 1,2 and 3	Chemical Substances-Nature and Behaviour: Chapter 4 and 5
	World of Living: Chapter 6,7	World of Living: Chapter 8 and 9
	Natural Phenomena: Chapter 10 and 11	Effects of Current: Chapter 12 and 13
Hindi	<p>□□□□ □□□ - □□□ – 1,2,3,4 5</p> <p>□□□□ □□□ - □□□ – 1,2,3,4,5</p> <p>□□□□□□ - □□□ -1</p> <p>□□□□□□□ - □□□□□□ , □□□□□□</p>	<p>□□□□ □□□ - □□□ – 6,7,8,9,10</p> <p>□□□□ □□□ - □□□ – 6,7,8,9,10</p> <p>□□□□□□ - □□□ -2,3</p> <p>□□□□□□□ - □□ □□□□□ , □□□□□□□</p>

English	<p>Term 1</p> <p>Book 1 - FIRST FLIGHT</p> <p>A. Prose</p> <p>i. A Letter to God</p> <p>ii. Nelson Mandela - Long Walk to Freedom</p> <p>iii. Two Stories About Flying</p> <p>iv. From the Diary of Anne Frank</p> <p>v. Glimpses of India</p> <p>B. Poems</p> <p>1. Dust of Snow</p> <p>2. Fire and Ice</p> <p>3. A Tiger in the Zoo</p> <p>4. How to Tell Wild Animals</p> <p>5. The Ball Poem</p> <p>6. Amanda!</p> <p>Book 2. FOOTPRINTS WITHOUT FEET</p> <p>1. A Triumph of Surgery</p> <p>2. The Thief's Story</p> <p>3. The Midnight Visitor</p> <p>4. A Question of Trust</p> <p>5. Footprints Without Feet</p>	<p>Term 2</p> <p>Book 1 - FIRST FLIGHT</p> <p>A. Prose</p> <p>vi. Mijbil the Otter</p> <p>vii. Madam Rides the Bus</p> <p>viii. The Sermon at Benares</p> <p>ix. The Proposal (Play)</p> <p>B. Poems</p> <p>7. The Trees</p> <p>8. Fog</p> <p>9. The Tale of Custard the Dragon</p> <p>10. For Anne Gregory</p> <p>Book 2. FOOTPRINTS WITHOUT FEET</p> <p>6. The Making of a Scientist</p> <p>7. The Necklace</p> <p>8. Bholi</p> <p>9. The Book that Saved the Earth</p>
IT	<p>Part A</p> <p>Unit 1 – Communication Skills 2</p> <p>Unit 2 – Self Management Skills 2</p> <p>Unit 3 – Information & Communication Technology Skills 2</p> <p>Unit 4 – Entrepreneurial Skills 2</p> <p>Unit 5 – Green Skills 2</p>	<p>Part B</p> <p>Unit 1 – Digital Docuent</p> <p>Unit 2 – Electronic Spreadsheet</p> <p>Unit 3 – Database Management Sysytem</p> <p>Unit 4 – Web Application and Security</p>
<ul style="list-style-type: none"> • Music 	<ul style="list-style-type: none"> • Congo □□ tempo rhythm 	<ul style="list-style-type: none"> • karaoke song practice



AIR FORCE SCHOOL JODHPUR

CLASS – XI

CURRICULUM

SUBJECT	TERM 1	TERM 2
ENGLISH	➤ Hornbill Book	➤ Hornbill Book
	• The Portrait of a Lady (Prose)	• The Adventure (Prose)
	• A Photograph (Poem)	• Silk Road (Prose)
	• “We’re Not Afraid to Die..... if We Can be Together	• Childhood (Poem)
	• Discovering Tut: the Saga Continues	• Father to Son (Poem)
	• The Laburnum Top (Poem)	
	• The Voice of the Rain (Poem)	
	➤ Snapshots Book	➤ Snapshots Book
	• The Summer of the Beautiful White Horse (Prose)	• Birth (Prose)
	• The Address (Prose)	• The Tale of Melon City
	• Mother’s Day (Play)	
	➤ Creative Writing Skills	➤ Creative Writing Skills
	• Classified Advertisements	• Classified Advertisements
	• Poster	• Poster
	• Speech	• Speech
	• Debate	• Debate
	• Note Making and Summarization	• Note Making and Summarization
• One unseen passage to assess comprehension, interpretation, analysis, inference and vocabulary.	• One unseen passage to assess comprehension, interpretation, analysis, inference and vocabulary.	
• One unseen case-based factual passage with verbal/visual inputs like statistical data, charts etc.to assess comprehension, interpretation, analysis, inference and evaluation.	• One unseen case-based factual passage with verbal/visual inputs like statistical data, charts etc.to assess comprehension, interpretation, analysis, inference and evaluation.	
COMPUTER SCIENCE	Unit I: Computer Systems and Organization	Unit II: Computational Thinking and Programming – 1 [List, Tuple, Dictionary, Modules]
	Unit II: Computational Thinking and Programming – 1	Unit III: Society, Law and Ethics
BIOLOGY	I Diversity of Living Organisms: Chapter - 1, 2, 3 and 4	III Cell: Structure and Function: Chapter - 10

	II Structural Organization in Plants and Animals: Chapter – 5 and 7	IV Plant Physiology: Chapter - 13,14 and 15
	III Cell: Structure and Function: Chapter – 8 and 9	V Human Physiology: Chapter –17, 18, 19, 20, 21 and 22
MATHS		
	Unit 1 sets and functions	Unit 1sets and function (cont.)
	2 algebra	2 algebra (cont.)
	3coordinate geometry	3 coordinate geometry (cont.)
	4. calculus	4 calculus(cont.)
	5 statistics and probability	5 statistics and probability(cont.)
CHEMISTRY		
	1 Some Basic Concepts of Chemistry	8. Organic Chemistry: Some basic Principles and Techniques
	2 Structure of Atom	9. Hydrocarbon
	3 Classification of Elements and Periodicity in Properties	5. Thermodynamics
	4 Chemical Bonding and Molecular Structure	6. Equilibrium
	7. Redox Reactions	
PHYSICS		
	Unit–I Physical World and Measurement Chapter–1: Physical World Chapter–2: Units and Measurements	Unit–VII Properties of Bulk Matter Chapter–9: Mechanical Properties of Solids Chapter–10: Mechanical Properties of Fluids Chapter–11: Thermal Properties of Matter
	Unit–II Kinematics Chapter–3: Motion in a Straight Line Chapter–4: Motion in a Plane	Unit–VIII Thermodynamics Chapter–12: Thermodynamics
	Unit–III Laws of Motion Chapter–5: Laws of Motion	Unit–IX Behaviour of Perfect Gases and Kinetic Theory of Gases

		Chapter–13: Kinetic Theory
	Unit–IV Work, Energy and Power Chapter–6: Work, Energy and Power	Unit–X Oscillations and Waves Chapter–14: Oscillations Chapter–15: Waves
	Unit–V Motion of System of Particles and Rigid Body Chapter–7: System of Particles and Rotational Motion	
	Unit-VI Gravitation	
ACCOUNTANCY	Part A: Financial Accounting- I Unit 1 & 2	Part B: Financial Accounting- II Unit 3 & 4
	1. Introduction to Accounting	9. Rectification of Error
	2. Theory Base of Accounting	10. Financial Statement (without adjustment)
	3. Source Documents and Accounting Equation	11. Financial Statement (with adjustment)
	4. Journal and Ledger	12. Accounts from Incomplete Records
	5. Special Purpose Book	
	6. Trial Balance	
	7. Bank Reconciliation Statement	
BUSINESS STUDIES	PART A - Foundation of Business	PART B - Finance and Trade
	1. Nature and Purpose of Business	7. Source of Business Finance
	2. Forms of Business Organisations	8. Small Business
	3. Public, Private and Global Enterprises	9. Internal Trade
	4. Business Services	10. International Trade
	5. Emerging Modes of Business	
	6. Social Responsibility of Business and Business Ethics	
PHYSICAL EDUCATION	Unit 1: Changing Trends and Careers in Physical Education	Unit 6: Test, Measurement and Evaluation
	Unit 2: Olympism	Unit 7: Fundamentals in Anatomy, Physiology in Sports.
	Unit 3: Yoga	Unit 8: Fundamentals of Kinesiology and Biomechanics in Sports
	Unit 4: Physical Education and Sports for CWSN [Children with Special	Unit 9: Psychology in Sports

	Needs – Divyang]	
	Unit 5: Physical Fitness, Health and Wellness.	Unit 10: Training and Doping in Sports
HINDI	AROHA – CH. GADHYA- 1,2,3,4. PADHYA - 1,2,3,4.	CH- 5,6,7,8.
	VITAN – CH. 1	CH- 2,3.
	ABHIVYAKTI – CH- 1,2,3,4.	CH- 2,3,5,6,7,8.
IP	Unit 1. Introduction to computer system	Unit 3. Database concepts and structured query language
	Unit 2. Introduction to Python	Unit 4. Introduction to emerging trends
Geography	<p>Book 1 Fundamentals of physical geography Ch 1 Geography as a discipline Ch 2 The origin and evolution of the Earth Ch 3 Interior of the Earth Ch 4 Distribution of ocean and continent Ch 5 Geomorphic processes Ch 6 Landforms and their evolution Ch 7 composition and structure atmosphere</p> <p>Book 2 Indian: physical environment Ch 1 India- location Ch 2 Structure and physiography Ch 3 Drainage system Map work</p>	<p>Book 1 Ch 8 Solar Radiation, heat balance and temperature Ch 9 Atmospheric circulation and weather system Ch 10 Water in atmosphere Ch 11 World climate and climate change Ch 12 Water (oceans) Ch 13 Movement in ocean water Ch 14 Biodiversity and conservation</p> <p>Book 2 Ch 4 climate Ch.5 natural vegetation Ch 6 natural hazard and disaster</p> <p>Map work</p>
HISTORY	Writing and City Life	Paths To Modernization
	An Empire Across Three Continents	Tables and Shares
	Nomadic Empire	How Heavy How Light
	The Three Orders	Fields
	Changing Cultural Traditions	Smart Charts
	Displacing Indigenous People	



AIR FORCE SCHOOL JODHPUR
CLASS – XII
CURRICULUM

SUB JECT	TERM 1	TERM 2
ENGLISH	➤ Flamingo Book	➤ Flamingo Book
	• The Last Lesson (Prose)	• Poets and Pancakes (Prose)
	• Lost Spring (Prose)	• The Interview (Prose)
	• Deep Water (Prose)	• Going Places (Prose)
	• The Rattrap (Prose)	• A Thing of Beauty (Poem)
	• Indigo (Prose)	• A Roadside Stand (Poem)
	• My Mother at Sixty-Six (Poem)	• Aunt Jennifer’s Tigers (Poem)
	• Keeping Quiet (Poem)	
	➤ Vistas Book	➤ Vistas Book
	• The Third Level (Prose)	• The Enemy (Prose)
	• The Tiger King (Prose)	• On the Face of It (Prose)
	• Journey to the End of the Earth (Prose)	• Memories of Childhood (Prose) o The Cutting of My Long Hair o We Too are Human Beings
	➤ Creative Writing Skills	➤ Creative Writing Skills
	• Notice Writing	• Notice Writing
	• Invitation and Reply	• Invitation and Reply
	• Letter Writing	• Letter Writing
	• Article writing	• Article writing
• Report Writing	• Report Writing	
• Factual, descriptive, literary and case based unseen passage.	• Factual, descriptive, literary and case based unseen passage.	
HINDI	AROHA – CH. GADHYA- 1,2,3,4,5. PADHYA - 1,2,3,4,5.	CH- 6,7,8,9. CH- 6,7,8,9,10.
	VITAN – CH. 1	CH- 2,3.
	ABHIVYAKTI – CH- 1,2,3,4.	CH- 5,6,7,8.
ACCOUNTANCY	PART : A – Accounting for Partnership Firm and Companies	PART : B – Financial Statements and Analysis
	Unit : 1 Accounting for Partnership Firm Fundamentals	Unit : 4 Analysis of Financial Statements
	Unit : 2 Accounting for Partnership Firm: Reconstitution and Dissolutions	Unit : 5 Cash Flow Statement
	Unit : 3 Accounting for Companies : Accounting for Share Capital and Debentures	
BUSINESS	PART : A - Principles and Functions of	PART : B – Business Finance and

STUDIES	Management	Marketing
	1. Nature and Significance of Management	9. Financial Management
	2. Principles of Management	10. Financial Markets
	3. Business Environment	11. Marketing
	4. Planning	12. Consumer Protection
	5. Organising	
	6. Staffing	
	7. Directing	
	8. Controlling	
IP	Unit 1. Data handling using pandas and data visualisation	Unit 2. Data query using sql
	Unit 4. Societal Impacts	Unit 3. Introduction to computer networks
Geography	Book 1 Fundamental of human geography	Book 1
	Ch 1 Human geography Ch 2 The world population density distribution and growth Ch 3 Human development Ch 4 Primary activities	Ch 5 Secondary activities Ch 6 Tertiary and Quaternary activities Ch 7 Transport, Communication and trade Ch 8 International trade
	Book 2 India people and economy Ch 1 Population distribution density growth and composition Ch 2 Human settlements Ch 3 Land resources and agricultural Ch 4 Water resources Map work (world political)	Book 2 Ch 5 Mineral and energy resources Ch 6 Planning and sustainable development in India context Ch 7 Transport and communication Ch 8 International trade Ch 9 Geographical perspective on selected issues and problems. Map work (India political)
Chemistry	1. Solution	7. Coordination compounds
	2. Electro chemistry	8. Aldehyde, Ketone and Carboxylic acid
	3. Halo Alkane and Halo Arene	9. Amines and Diazonium salt
	4. Alcohol, Phenol and Ether	10. Biomolecules
	5. Chemical kinetics	
	6. D and F block elements	
Computer Science	Unit I: Computational Thinking and Programming – 2	Unit II: Computer Networks Evolution of networking Data communication terminologies
	Revision of Python topics covered in Class XI.	Transmission media Network devices
	Functions	Network topologies and Network types
	Introduction to files File Handling (Text file, Binary file, CSV file)	Network protocol

	Data Structure: Stack	Unit III: Database Management Database Concepts
		Structured Query Language
		Aggregate functions
		Interface of python with an SQL database
Maths	Unit 1 relations and functions 2 Algebra 3 Calculus 4 Linear programming	1. Calculus 2 vectors and 3D 3 probability
	Unite-1 Reproduction chapter 1,2,3	Unite-3 biology of human welfare- chapter 7,8
	Unit-2 genetics and evolution chapter 4.5,6	Unite-4 biotechnology chapter 9,10
		Unite-5 Ecology chapter 11,12,13
PHYSICS	UNIT 1 ELECTROSTATICS 2 CURRENT ELECTRICITY 3 MAGNETIC EFFECTS OF CURRENT AND MAGNETISM 4 ELECTROMAGNETIC INDUCTION AND ALTERNATING CURRENT 5 ELECTROMAGNETIC WAVES	UNIT 1 OPTICS 2 DUAL NATURE OF RADIATION AND MATTER 3 ATOMS AND NUCLEI 4 ELECTRONIC DEVICES
HISTORY	Unit 1 : Bricks, Bones and seals	Mahatma Ghandhi Nationalist Movement
	Kings, Farmers and Town	Forming the Constitution
	Kinship Caste and Class	Projects
	Thinkers , Belief and Building	
	Through the Eyes of Travelers	
	An Imperial Capital - Vijaynagara	
	Colonial and The Country Side	
	Rebels and Raj	
BIOLOGY	VI Reproduction: Chapter - 2, 3 and 4	VIII - Biology and Human Welfare: Chapter – 8 and 10
	VII Genetics and Evolution: Chapter – 5 and 6	IX - Biotechnology and its Applications: Chapter – 11 and 12
		X - Ecology and Environment: Chapter – 13 and 15