VIDYASAGAR SCHOOL,INDORE
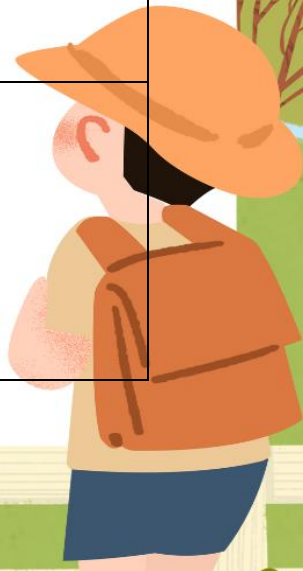
Annual Exam Syllabus-2025-26

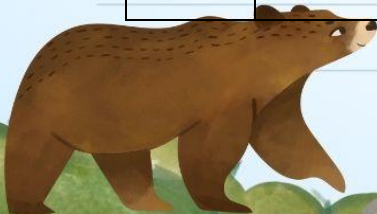| CLASS	SUBJECT	CONTENT
VI	English	**Literature**: **Unit 4**, L 7: Shivaji's Escape From Agra. L8: King Porus. **Unit 5**, L 9: Braving the Odds. L10: What is a Player? **Unit 6**, L 11: The First Patient. L12: Microbe. **Unit 7**, L 13: Adventures in a Banyan Tree. L 14: Daffodils. **Writing Skills:** Descriptive paragraph Report writing Story writing. **Grammar**: Articles Determiners Tenses Direct indirect speech **Vocabulary**: Antonyms Synonyms Suffix - ist Words of Indian origin Phrasal verbs Word pairs Words ending with -um and -ry Compound words Punctuation
	Hindi	पाठ -10 गिरिधर के कुंडलियाँ, पाठ-11 मुकदमा: हवा- पानी का पाठ-12 बारहमासा पाठ-13 और वे फ़कीर बन गए पाठ-14 तीन लघु -कथाएँ

		पाठ- 15 दर्यानूर पाठ -16 कृष्ण की चेतावनी व्याकरण- विलोम,पर्यायवाची, वाक्यांश,श्रुतिसमभिन्नार्थक शब्द, उपसर्ग- प्रत्यय, अनेकार्थी, तत्सम -तद्भव, वचन, अव्यय (संबंधबोधक -समुच्चयबोधक), क्रियाविशेषण, वाक्य के भेद (अर्थ के आधार पर), संवाद-लेखन, स्लोगन लेखन, चित्र -वर्णन,विज्ञापन लेखन, पत्र लेखन (औपचारिक- अनौपचारिक),अनुच्छेद लेखन, पठित गद्यांश, अपठित गद्यांश I
	Sanskrit	पाठ -8 संप्रदान कारक : (चतुर्थी विभक्ति) पाठ - 9 अपादान कारक :(पञ्चमी विभक्ति) पाठ -10 संबंध कारक: (षष्ठी विभक्ति) पाठ -11 अधिकरण कारक: (सप्तमी विभक्ति :) पाठ-12 सम्बोधन कारक पाठ-13 अव्यय प्रयोग पाठ-14 संख्या *व्याकरण भाग* संख्यावाची शब्दा : 1 से 30 , पर्याया : 11-20, विलोम शब्द 11-20, फूलों के नाम, घटिका निर्माण व समय वाचन , वर्णों व दिनों के नाम, दैनिक वस्तुओं के नाम ,शब्द रूप - बालक, तत् और किम्- (तीनों लिंगों में) धातु रूप -लट्लकार, लृट्लकार (पत्,लिख्, चल्, गम् धाव्), अपठित गद्यांश, चित्र वर्णन, निबंध - मम परिचय, उद्यानम्, पुस्तकम् I
	Maths	1 Perimeter and Area 2 Symmetry 3 The other side of Zero 4 playing with Construction 5 No. Play 6 Fraction 7 Data Handling

	Science		1 Characteristics of Living Organisms 2 Temperature 3 Treasures of Nature 4 States of water 5 The Universe 6 Diversity In The Living World 7 Fun with Magnet

	So-Science		**History**
			1. The First Cities
			2. The First Empire
			3. New Empires
			4. Culture and Science
			   Map Questions
			Geography
			1. Globes and Maps
			2. The Realms of the Earth
			3. Our Country-India
			   Map Questions
			Civics
			1. Government
			2. Administration in Our Villages
			3. Administration in the City
			Economics
			1. Economic Activities Around Us

		AI	**Chapter 6 Visual studio code** **Chapter 7 Introduction to HTML5 and CSS** **Chapter 8 Python - Introduction** **Chapter 9 Chatbot** **Chapter 10 Fields of Artificial intelligence**
VII	**English**		**Literature** **Unit -4** **Lesson -7** A Journey to the Stars (Autobiography) **Poem -8** Harry pushed her **Unit -5** **Lesson - 9** The Canterville Ghost (Drama) **Poem - 10** Colonel Fazackerely Butterworth - Toast **Unit -6** **Lesson - 11** The Fun they had (Story) **Poem - 12** Machines **Unit - 7** **Lesson - 13** The Bewitched Jacket (Story) **Poem - 14** The Listeners **Writing Skills:**

		Notice Writing Story Writing Article Writing **Vocabulary :** Phrasal Verb Antonyms Synonyms Collocation Compound words Punctuation Syllables Homographs Suffixes Anagrams Analogy Root words **Grammar:** Finite and Non-finite Verbs Subject -Verb Agreement; Transitive, Intransitive Verbs Active and Passive Voice Modals
	Hindi	पाठ 10 रोबोट और कृत्रिम बुद्धि पाठ11 आर्ट का पुल पाठ12 जीवन सत्य पाठ 13 इस्तीफ़ा पाठ14 सिनेमा का स्वप्नलोक पाठ15 सुभाषचन्द्र बोस के पत्र पाठ16 तुम्ही मिटाओ मेरी उलझन व्याकरण - पर्यायवाची शब्द,तत्सम -तद्भव शब्द,विलोम शब्द,प्रत्यय, विराम चिह्न, वाक्यांशों के लिए शब्द,श्रुतिसमभिन्नार्थक शब्द,एकार्थक शब्द, मुहावरे, कहानी लेखन, संवाद लेखन, विज्ञापन, अनुच्छेद, पत्र (औपचारिक, अनौपचारिक) , ई-मेल,पठित और अपठित गद्यांश
	Sanskrit	पाठ 6 लोटलकार: पाठ 7 विधिलिड्.लकार: पाठ 9 प्रत्यय:

		पाठ 10 बुद्धिर्यस्य बलम तस्य
		पाठ 12 भारतवर्षस्य उत्सवाः
		पाठ 13 निमंत्रणम् पत्रम्
		पाठ14 अव्ययाः
		पाठ 15 चित्र वर्णनम्
		पाठ17 संवादाः
		व्याकरण - संख्या 26-50, विलोम शब्द 13-24, पर्यायवाची शब्द,
		चित्र वर्णन, पत्र लेखन, संस्कृत अनुवाद, वाक्य शुद्धि, संधि - गुण संधि
		गृह उपयोगी वस्तुएँ
		धातु रूप - लट्, लृट् ,लोट्लकार, विधिलिड़. (कृ,अस्, पा ,स्था, नम्)
		शब्द रूप - कवि, पितृ
		तत् तथा , किम् - तीनो लिंग,
		अपठित / पठित गद्यांश,
		निबंध - दीपोत्सव, अस्माकं नगरम्, विद्या महिमा l
	Maths	1 Integers 2 Simple Equations 3 Lines and Angles 4 Rational numbers 5 Perimeter and Area 6 Algebraic Expressions 7 Exponents and Powers 8 Symmetry
	Science	1. Reproduction in plants 2. Acids , Bases and Salts 3. Transportation of materials 4. Waste Water Management 5. Respiration in plants 6. Electricity and magnetism 7. Light 8. Nutrition in Animals 9. Chemical Reactions
	So-Science	History

		1.Town Traders and Craftsmen
		2.Changing Life of Tribal Communities
		3.Popular Religious Beliefs
		4.Rise of Independent Kingdoms
		Geography
		1.Elements of Weather and Climate Part 1
		2.Elements of Weather and Climate Part 2
		3.Human Environment
		Civics
		1.Democracy
		2.State Government
		3.Advertising
		4.Market Around Us
		Economics
		1.Barter to Money
		2.Understanding Markets
	AI	**Chapter 5** Google Apps **Chapter 6** HTML5- Images, Links and Table **Chapter 7** HTML5- Form and Multimedia **Chapter 9** Python - Conditional control structure **Chapter 10** AI for Sustainable Development Goals
VIII	English	**Literature** **Unit IV** We Are The World L- 7 The Jarawa Tribe of Andamans L- 8 Human Family **Unit V** Searching New Horizons. L 9- Dear Pen Pal. L 10- Astronauts. **Unit VI** Mystery L- 11 The Dying Detective L- 12 The Abandoned Farmhouse **Unit - VII** The Amazing World of Animals L- 13 Ashamanja Babu' s Dog L- 14 The Mouse and the Snake **Grammar**

		Modals Tenses Active and Passive Voice Sentences and their Types; Transformation of Sentences **Writing Skills** Story Writing Newspaper Report Writing Informal Letter **Vocabulary** Antonyms Idioms Possessive Apostrophe Phrasal Verbs Prefixes Word Meanings
	Hindi	**पाठ-10.** बाल लीला **11.** बैजू बावरा **12.**स्वर्ण दीप्ति **13.**ठुकरा दो या प्यार करो **14.** अंतिम सीख **15.**कटुक वचन हैं तीर **16.**गंगा की विदाई **व्याकरण –** तत्सम तद्भव, विलोम, पर्यायवाची, वाक्यांश, उपसर्ग प्रत्यय,समास **(सभी भेद)** , लोकोक्तियाँ, विशेषण, क्रिया - विशेषण, स्लोगन, अनेकार्थी, वाक्य के भेद **(**रचना के आधार पर**),** श्रुतिसमभिन्नार्थक शब्द, अलंकार **(**शब्दालंकार**),** विज्ञापन, ईमेल लेखन, संदेश -लेखन,कहानी लेखन, सूचना पत्र, संवाद लेखन, पत्र -लेखन **(**औपचारिक-अनौपचारिक**),** अनुच्छेद
	Sanskrit	**7 -** सुभाषितानि **8 -** भारतीय महिला **9 -** अशुद्धि शोधन **10-** श्री जवाहरलाल नेहरू :

		11- ग्राम्यजीवनम् 12- क्तवा, तुमुन्, ल्यप्, प्रत्यया : 13 - उपपद विभक्ति 15 - संधि प्रकरणम् 17- चित्रवर्णनम् निबंध - मम प्रिय पुस्तकम्"रामायणम्", महाकवि कालिदास : समय वाचन- सार्ध, पादोन पर्याय व विलोम शब्द संख्या 51-100, उपपद विभक्ति, सन्धि - यण, अयादि अव्यय -क्रियाविशेषण, समुच्चयबोधक, युग्म अव्यय अशुद्धि संशोधन (वचन व पुरुष विषयक) शब्दरूप- यत् तीनों लिंग, पुस्तकम्, धेनु, राजन्, शिशु अपठित गद्यांश, धातु रूप- लोट् लकार, विधिलिंग लकार : (कृ,पा,धाव,पत्,अस्), चित्रवर्णन, पत्र लेखन ।
	Maths	**Chapter 2** Linear equations in one variable **Chapter 3** Understanding of Quadrilaterals **Chapter 5** Square and Square Root **Chapter 9** Mensuration **Chapter 10** Direct and Inverse Proportion **Chapter 11** Exponents and Powers **Chapter 12** Factorization **Chapter 13** Introduction to Graph
	Science	1. Reaching the age of adolescence 2. Light 3. Conservation of flora and fauna 4. Reproduction in animals 5. Chemical effects of electric current 6. Microorganisms 7. Combustion of fuel 8. Sound
	SO-SCIENCE	**HISTORY** 1.The Expansion of British Power in India 2. Colonialism and Tribal Society. 3. Education and The British Rule. 4.Society ,Women and Caste -System

			5.The Nationalist Movement-I (1885-1918) 6.The Nationalist Movement-II (1919-1947) **GEOGRAPHY** 1. Agriculture and Major Crops. 2. Manufacturing Industries. 3. Human Resources. **CIVICS** 1.Ideals of Constitution 2. Parliamentary Government. 3.The Judiciary 4.Marginalisation and Social Justice 5. Economic Presence of The Government. **ECONOMICS** 1.Factors of Production (Map Questions Hist. & Geo.)
		AI	Chapter 6 Google sites Chapter 7 App Development - Thunkable Chapter 8 Python - Looping and Lists Chapter 9 Data Science –an introduction Chapter 10 Future Possibilities of AI
IX	English		**LANGUAGE AND LITERATURE (184)** **Reading Skill** 1.Unseen Passage 2.Unseen Passage **Section B : Writing Skills and Grammar** Determiners Tenses Modals Subject – verb concord Reported speech Commands and requests Statements Questions **Literature** **Beehive** Prose 1.The Fun They Had 2.The Sound of Music 3.The Little Girl

4.A Truly Beautiful Mind
5.The Snake and the Mirror
6.My Childhood
7.Reach For The Top
8.Kathmandu
9.If I were You

Poems
1.The Road Not taken
2.Wind
3.Rain on The Roof
4.The Lake Isle of Innisfree
5.A Legend of The
 6.Northland
7.No Men Are Foreign
8.On killing a tree
9.A Slumber Did My Spirit   Seal

Moments
1.The Lost Child
2.The adventures of Toto
3.Iswaran the Storyteller
4.In the kingdom of fools
5The Happy Prince
6The Last Leaf
7.A House is not a Home
8.The Beggar

Hindi	क्षितिज - गद्य पाठ -	
	1 दो बैलों की कथा	
	2 ल्हासा की ओर	
	3 उपभोक्तावाद की संस्कृति	
	4 साँवले सपनों की याद	
	5 प्रेमचंद के फटे जूते	
	6 मेरे बचपन के दिन	
	क्षितिज - पद्य पाठ -	
	1 साखियाँ व सबद	
	2 वाख	

		3 सवैये
		4 कैदी और कोकिला
		5 ग्राम श्री
		6 मेघ आए
		7 बच्चे काम पर जा रहे हैं
		कृतिका - पाठ
		1 इस जल प्रलय में
		2 मेरे संग की औरतें
		3 रीढ़ की हड्डी
		व्याकरण -
		1 उपसर्ग
		2 प्रत्यय
		3 अलंकार अनुप्रास , यमक श्लेष
		4 अर्थ के आधार पर वाक्य भेद
		5 समास
		रचनात्मक लेखन -
		अनुच्छेद लेखन , पत्रलेखन, ईमेल, लघु कथा लेखन, सूचना लेखन
		संवाद लेखन
		अपठित गद्यांश
		अपठित पद्यांश
	Maths	1. NUMBER SYSTEMS 2. POLYNOMIALS 3. COORDINATE GEOMETRY 4. LINEAR EQUATIONS IN TWO VARIABLES 5. INTRODUCTION TO EUCLID'S GEOMETRY 6. LINES AND ANGLES 7. TRIANGLES 8. QUADRILATERALS 9. CIRCLES 10. HERON'S FORMULA 11. SURFACE AREAS AND VOLUMES

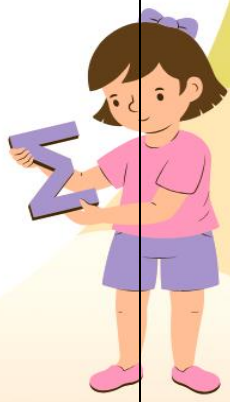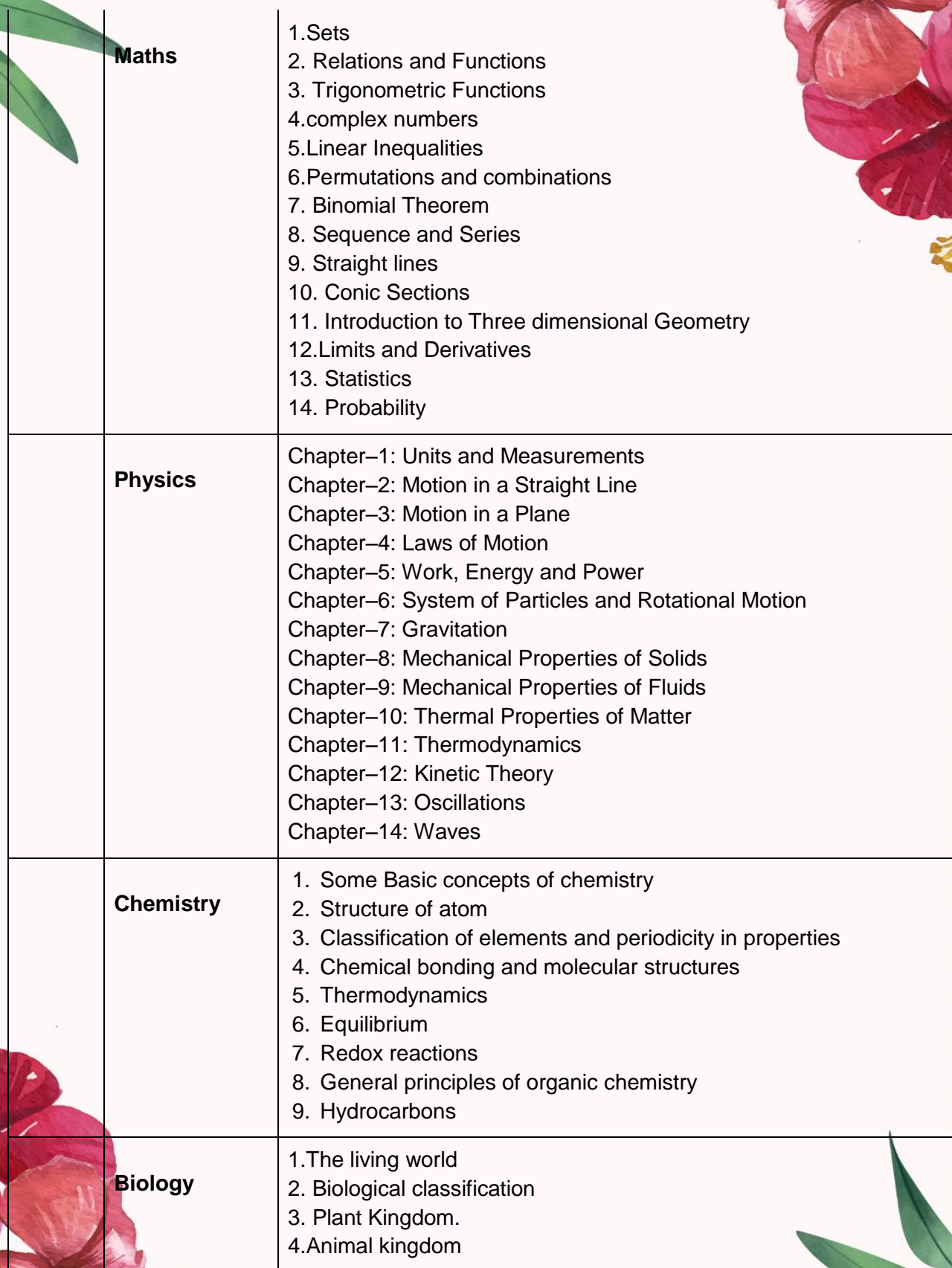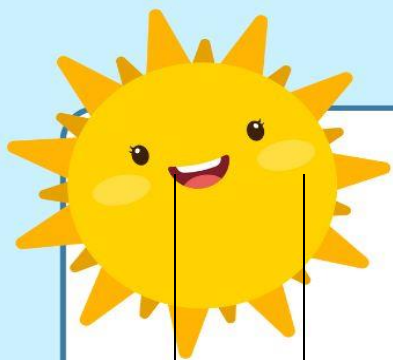|		12. STATISTICS
	Science	**Physics:** 1. Motion 2. Force and Laws of Motion 3. Gravitation 4. Work and Energy 5. Sound **Chemistry** 1. Matter in Our Surroundings 2. Is Matter Around Us Pure? 3. Atoms and Molecules 4. Structure of the Atom **Biology** 1. The Fundamental Unit of Life (Cell) 2. Tissues 3. Improvement in Food Resources
	So-Science	**History** – 1. The French Revolution 2. Socialism in Europe and the Russian Revolution 3. Nazism and the rise of Hitler **Geography -** 1. India: Size and location 2. Physical features of India 3. Drainage 4. Climate 5. Population **Democratic politics -** 1. What democracy? Why democracy? 2. Constitutional Design 3. Electoral politics 4. Working of institutions 5. Democratic rights **Economics -** 1. People as resource 2. Poverty as a challenge 3. Food security in India

		Map Work : History & Geography
	AI	**PART A – Employability Skills** 1. **Communication Skills-I** 2. **Self-Management Skills-I** 3. **ICT Skills-I** 4. **Entrepreneurial Skills-I** 5. **Green Skills-I** **PART B – Subject-Specific Skills** 1. **AI Reflection, Project Cycle and Ethics** 2. **Data Literacy** 3. **Maths for AI (Statistics & Probability)** 4. **Introduction to Generative AI**
XI	**English**	● Unseen Passage ● Case based passage ● Note Making ● Classified Advertisement ● Poster Making ● Speech writing ● Debate writing ● Tenses ● Subject verb concord ● Relative clause ● Jumbled words ● Textbooks: All 10 chapters and 05 poems from Hornbill and Snapshots
	Hindi	**गद्य पाठ -** नमक का दारोगा, मियां नसीरुद्दीन, अप्पू के साथ ढाई साल, विदाई संभाषण, गलता लोहा, रजनी, जामुन का पेड़, भारत माता। **काव्य पाठ -** कबीर, घर की याद, चंपा काले काले अक्षर नहीं चीन्हती, मीराबाई, अक्क महादेवी- वचन, ग़ज़ल, सबसे खतरनाक, आओ मिलकर बचाएं **वितान -**भारतीय गायिकाओं में बेजोड़ लता, राजस्थान की रजत बूंदे, भारतीय कलाएं, आलो आंधारि । **अभिव्यक्ति और माध्यम पाठ** 1. जनसंचार माध्यम पाठ- 2 पत्रकारिता के विविध आयाम, पाठ 9. डायरी लिखने की कला पाठ 10. कथा-पटकथा ,पाठ 14 कार्यालय लेखन और प्रक्रिया , पाठ 15. स्ववृत लेखन और रोजगार संबंधी आवेदन पत्र, पाठ 16. शब्दकोश अपठित - गद्यांश , काव्यांश

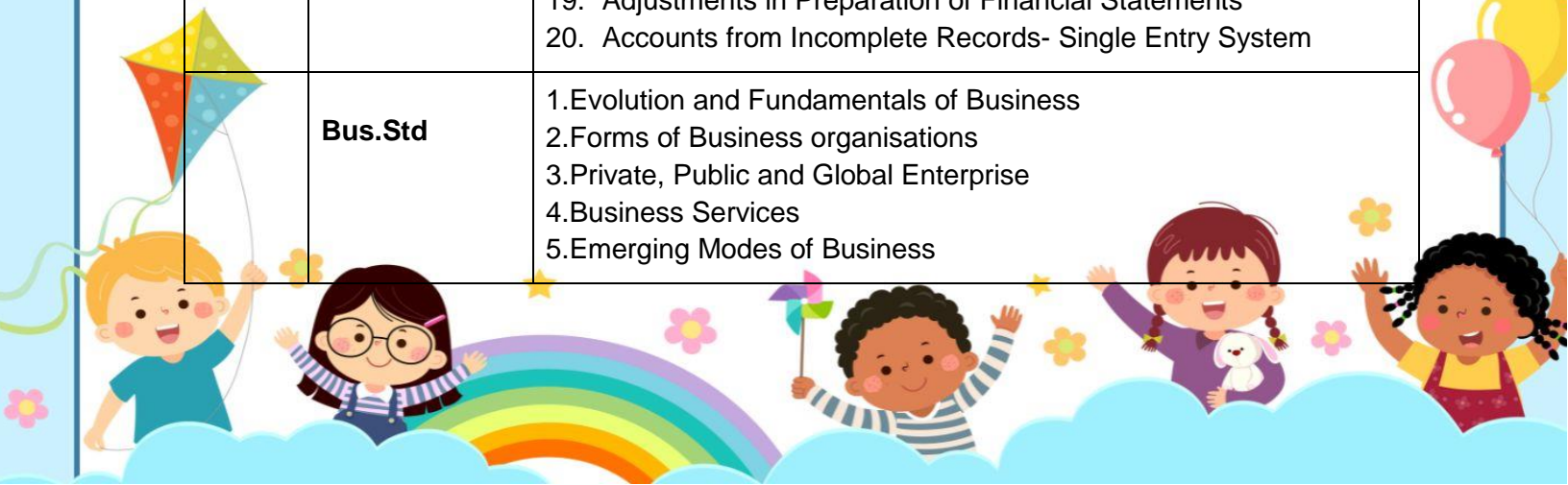|		
Maths	1.Sets 2. Relations and Functions 3. Trigonometric Functions 4.complex numbers 5.Linear Inequalities 6.Permutations and combinations 7. Binomial Theorem 8. Sequence and Series 9. Straight lines 10. Conic Sections 11. Introduction to Three dimensional Geometry 12.Limits and Derivatives 13. Statistics 14. Probability	
Physics	Chapter–1: Units and Measurements Chapter–2: Motion in a Straight Line Chapter–3: Motion in a Plane Chapter–4: Laws of Motion Chapter–5: Work, Energy and Power Chapter–6: System of Particles and Rotational Motion Chapter–7: Gravitation Chapter–8: Mechanical Properties of Solids Chapter–9: Mechanical Properties of Fluids Chapter–10: Thermal Properties of Matter Chapter–11: Thermodynamics Chapter–12: Kinetic Theory Chapter–13: Oscillations Chapter–14: Waves	
Chemistry	1. Some Basic concepts of chemistry 2. Structure of atom 3. Classification of elements and periodicity in properties 4. Chemical bonding and molecular structures 5. Thermodynamics 6. Equilibrium 7. Redox reactions 8. General principles of organic chemistry 9. Hydrocarbons	
Biology	1.The living world 2. Biological classification 3. Plant Kingdom. 4.Animal kingdom	

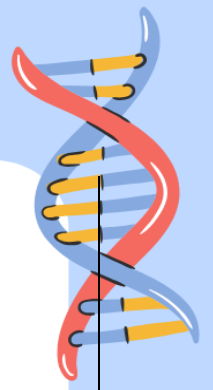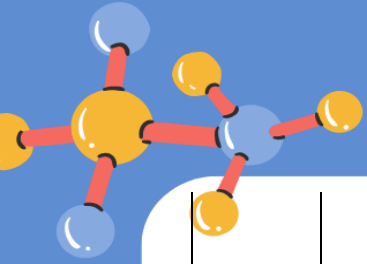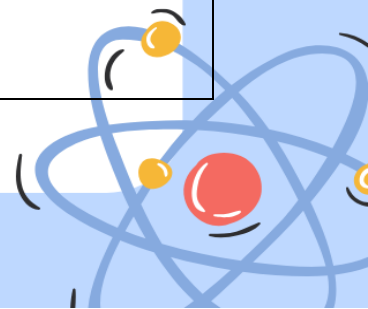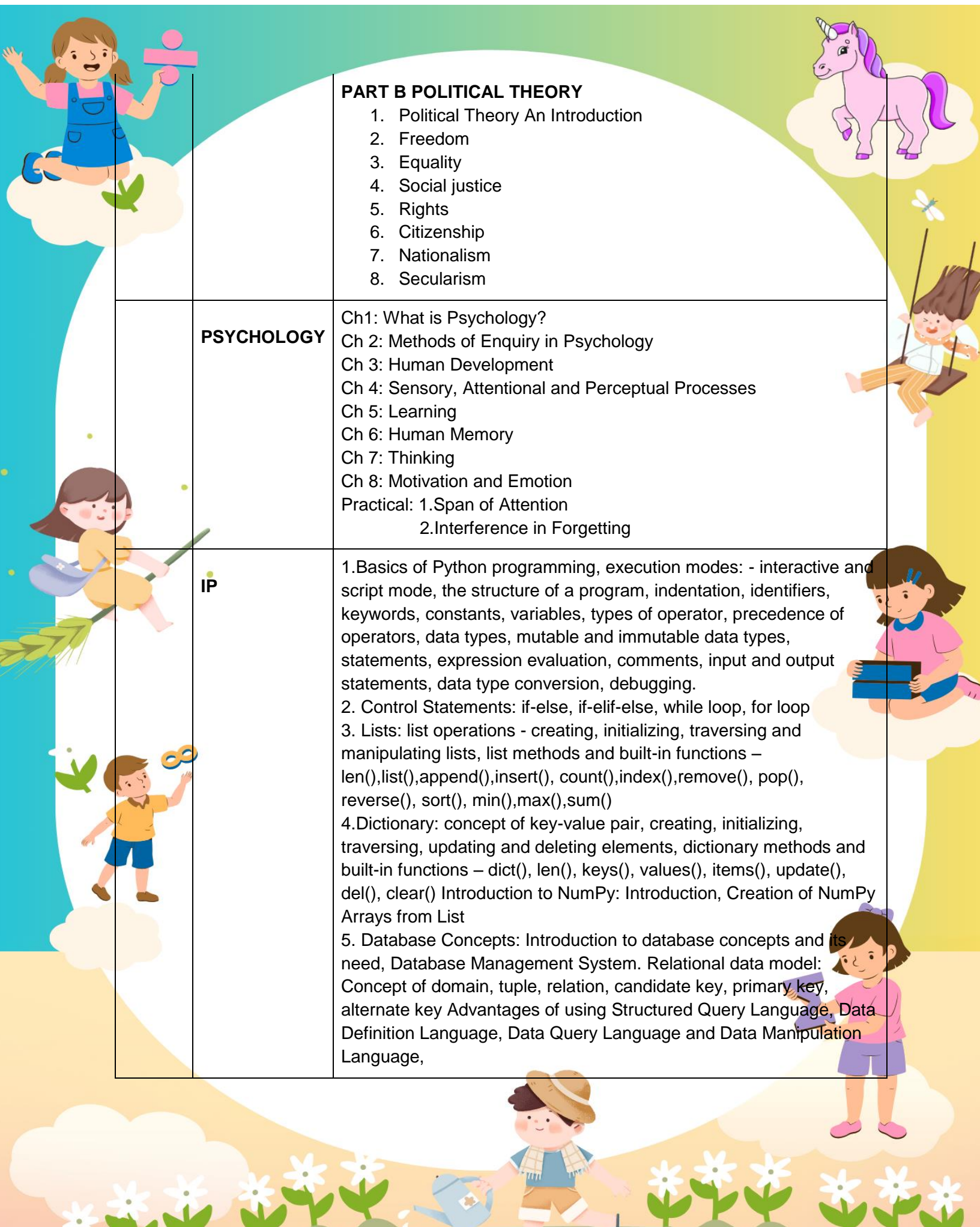|		5. Morphology of flowering plants
		6. Anatomy of flowering plants
		7. Structural organisation in animals
		8. Cell structure and function
		9. Biomolecules
		10. Cell division and cell cycle
		11. Photosynthesis in higher plants
		12. Respiration in plants
		13. Plant growth and movements.
		14. Breathing and exchange of gases
		15. Transport of substances (circulation)
		16. Excretion and removal of wastes.
		17 Locomotion and movements
		19. Neural conduction
		20 chemical control and coordination
	Accountancy	1. Introduction to Accounting 2. Basic Accounting Terms 3. Theory based of Accounting, Accounting Standards and Indian Accounting Standards 4. Based of Accounting 5. Accounting Equation 6. Accounting Procedures 7. Origin of Transactions– Source documents and preparation of Vouchers 8. Journal 9. Ledger 10. Special Purpose Books I- Cash Book 11. Special Purpose Books II- Other Books 12. Accounting of Goods and Service Tax 13. Bank Reconciliation Statement 14. Trial Balance 15. Depreciation 16. Provision and Reserves 17. Rectification of Errors 18. Financial Statements of Sole Proprietorship 19. Adjustments in Preparation of Financial Statements 20. Accounts from Incomplete Records- Single Entry System
	Bus.Std	1.Evolution and Fundamentals of Business 2.Forms of Business organisations 3.Private, Public and Global Enterprise 4.Business Services 5.Emerging Modes of Business

		6.Social Responsibilities of Business and Business Ethics 7.Sources of Business Finance 8.Small Business and Enterprises 9. Internal Trade 10. International Business
	Economics	**Part A. Statistics for Economics** Ch 1 concept and significance Ch 2 collection of data Ch 3 Census and Sample method Ch 4 Organisation of data Ch 5 Presentation of data Ch 6 Diagrammatic presentation Ch 7 Frequency diagram Ch 8 Arithmetic Line graphs Ch 9 Arithmetic Mean Ch 10 Median and Mode Ch 11 Correlation Ch 12 Index number **Part B Introductory Microeconomics** Ch 1 Economics and economy Ch 2 Central problems of an economy Ch 3 Consumer's equilibrium Utility Analysis Ch 4 Consumer's equilibrium Indifference Curve Ch 5 Theory of demand Ch 6 Price elasticity of demand Ch 7 Production function and returns to a factor Ch 8 Concept of Cost Ch 9 Concept of Revenue Ch 10 Producer's equilibrium Ch 11 Theory of Supply Ch 12 Forms of market: Perfect Competition Ch 13 Market equilibrium under perfect competition and effects of shifts in demand and Supply
	Applied Maths	Ch 1 Numbers Ch2 Indices and logarithm s Ch3 Quantitative aptitude Ch4 Sets and Relations Ch5 Sequence and series Ch6 Permutations and combinations Ch7 Logical Reasoning Ch8 Functions Ch9 Limits and Continuity

		Ch10 Differentiations Ch11 Probability Ch12 Descriptive statistics Ch13 Compound Interest and Annuity Ch14 Taxation Ch15 Utility bills Ch16 Straight line Ch17 Circle and parabola
	EP	**UNIT 1:**ENTREPRENEURSHIP: CONCEPT &FUNCTIONS **UNIT 2:**AN ENTREPRENEUR **UNIT 3:**ENTREPRENEURIAL JOURNEY **UNIT 4:**ENTREPRENEURSHIP AS INNOVATION AND PROBLEM SOLVING **UNIT 5:**CONCEPT OF MARKET **UNIT 6:**BUSINESS FINANCE AND ARITHMETIC **UNIT 7:**RESOURCES MOBILIZATION
	HISTORY	Theme -1, Writing and City Life Theme-2, An Empire Across Three Continents Theme-3, Nomadic Empires Theme-4, The Three Orders Theme-5, Changing Cultural Traditions Theme-6, Displacing Indigenous Peoples Theme-7, Paths to Modernization

	SOCIOLOGY	**Part A** : Ch1 Sociology and Society
		       Ch2 Terms,Concepts and their use in Sociology
		       Ch3 Understanding Social Institutions
		       Ch4 Culture and Socialisation
		Part B : Ch2 Social Change and Social Order in Rural and Urban
		       Society
		       Ch4 Introducing Western Sociologist
		       Ch5 Indian Sociologist

	POL.SCIENCE	**PART A INDIAN CONSTITUTION AT WORK** 1. Constitution why and how? 2. Rights in the Indian constitution 3. Election and Representation 4. Executive 5. Legislature 6. Judiciary 7. Federalism 8. Local Government 9. Constitution as a living Document 10. The Philosophy of the Constitution

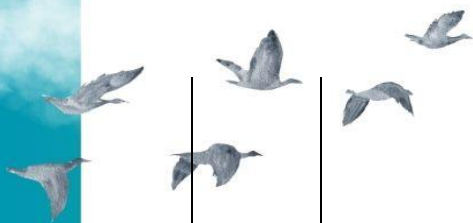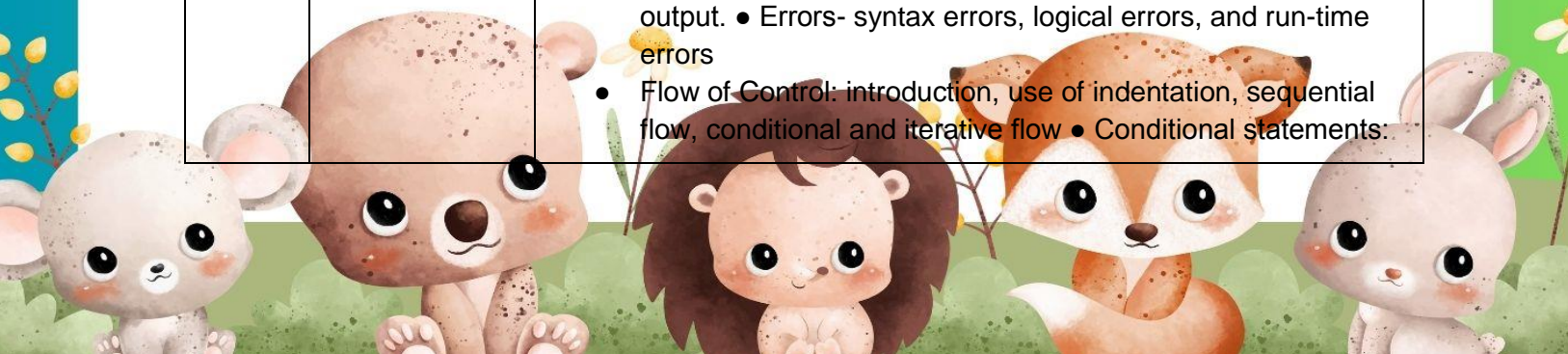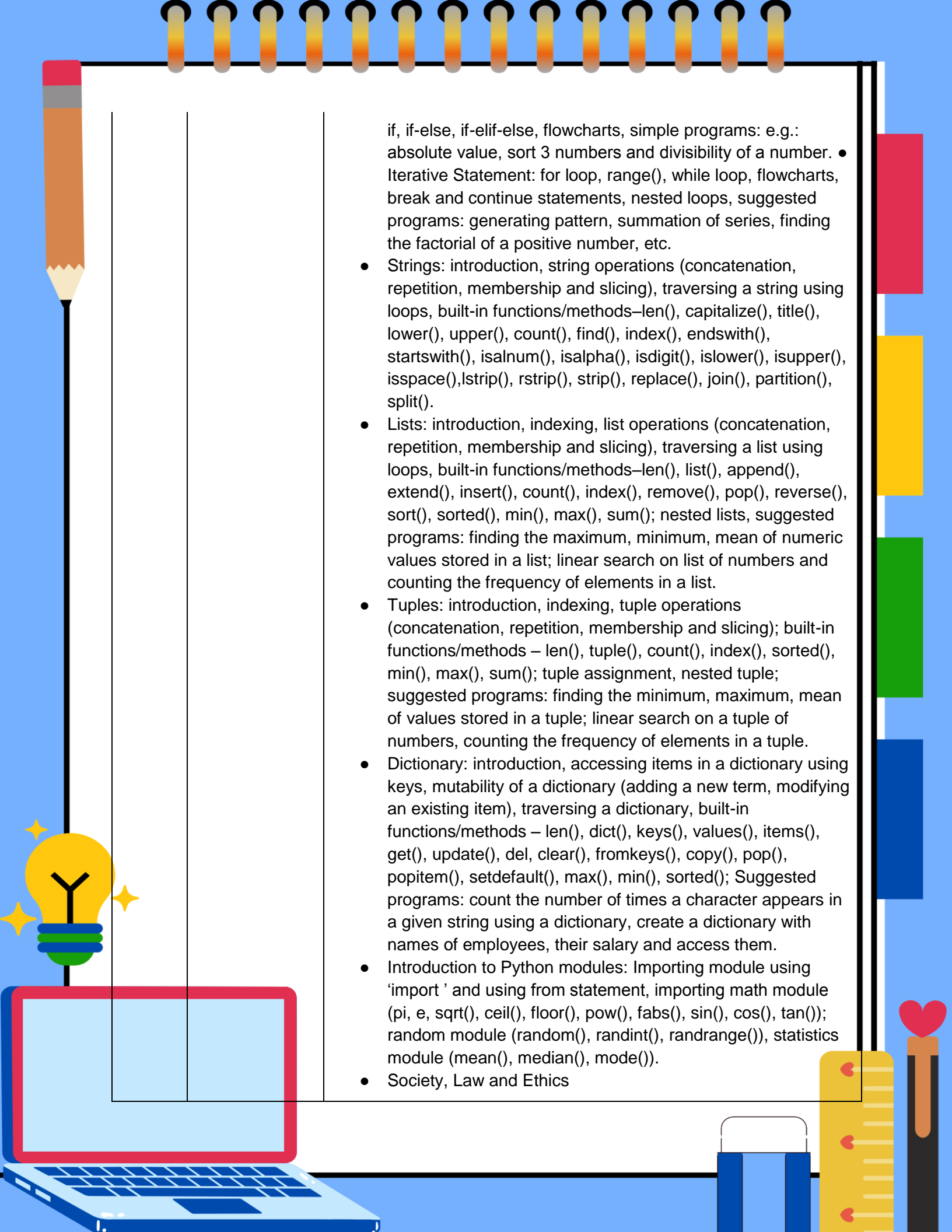|		
		PART B POLITICAL THEORY 1. Political Theory An Introduction 2. Freedom 3. Equality 4. Social justice 5. Rights 6. Citizenship 7. Nationalism 8. Secularism
	PSYCHOLOGY	Ch1: What is Psychology? Ch 2: Methods of Enquiry in Psychology Ch 3: Human Development Ch 4: Sensory, Attentional and Perceptual Processes Ch 5: Learning Ch 6: Human Memory Ch 7: Thinking Ch 8: Motivation and Emotion Practical: 1.Span of Attention 2.Interference in Forgetting
	IP	1.Basics of Python programming, execution modes: - interactive and script mode, the structure of a program, indentation, identifiers, keywords, constants, variables, types of operator, precedence of operators, data types, mutable and immutable data types, statements, expression evaluation, comments, input and output statements, data type conversion, debugging. 2. Control Statements: if-else, if-elif-else, while loop, for loop 3. Lists: list operations - creating, initializing, traversing and manipulating lists, list methods and built-in functions – len(),list(),append(),insert(), count(),index(),remove(), pop(), reverse(), sort(), min(),max(),sum() 4.Dictionary: concept of key-value pair, creating, initializing, traversing, updating and deleting elements, dictionary methods and built-in functions – dict(), len(), keys(), values(), items(), update(), del(), clear() Introduction to NumPy: Introduction, Creation of NumPy Arrays from List 5. Database Concepts: Introduction to database concepts and its need, Database Management System. Relational data model: Concept of domain, tuple, relation, candidate key, primary key, alternate key Advantages of using Structured Query Language, Data Definition Language, Data Query Language and Data Manipulation Language,

6. Introduction to MySQL, creating a database using MySQL, Data Types Data Definition: CREATE DATABASE, CREATE TABLE, DROP, ALTER Data Query: SELECT, FROM, WHERE with relational operators, BETWEEN, logical operators, IS NULL, IS NOT NULL Data Manipulation: INSERT, DELETE,UPDATE.

7. Artificial Intelligence, Machine Learning, Natural Language Processing, Immersive experience (AR, VR), Robotics, Big data and its characteristics, Internet of Things (IoT), Sensors, Smart cities, Cloud Computing and Cloud Services (SaaS, IaaS, PaaS); Grid Computing, Block chain technology.

CS	
	● Operating System(OS): functions of the operating system, OS user interface
	● Boolean logic: NOT, AND, OR, NAND, NOR, XOR, truth tables and De Morgan's laws, Logic circuits
	● Number System: Binary, Octal, Decimal and Hexadecimal number system; conversion between number systems ● Encoding Schemes: ASCII, ISCII, and Unicode (UTF8, UTF32)
	● Introduction to Problem-solving:Steps for Problem-solving (Analyzing the problem, developing an algorithm, coding, testing, and debugging), representation of algorithms using flowchart and pseudocode, decomposition
	● Familiarization with the basics of Python programming: Introduction to Python, Features of Python, executing a simple "hello world" program, execution modes: interactive mode and script mode, Python character set, Python tokens(keyword, identifier, literal, operator, punctuator), variables, concept of l-value and r-value, use of comments ● Knowledge of data types: Number(integer, floating point,complex), boolean, sequence(string, list, tuple), None, Mapping(dictionary), mutable and immutable data types.
	● Operators: arithmetic operators, relational operators, logical operators, assignment operators, augmented assignment operators, identity operators (is, is not), membership operators (in not in)
	● Expressions, statement, type conversion, and input/output: precedence of operators, expression, evaluation of an expression, type-conversion (explicit and implicit conversion), accepting data as input from the console and displaying output. ● Errors- syntax errors, logical errors, and run-time errors
	● Flow of Control: introduction, use of indentation, sequential flow, conditional and iterative flow ● Conditional statements:

if, if-else, if-elif-else, flowcharts, simple programs: e.g.: absolute value, sort 3 numbers and divisibility of a number. ● Iterative Statement: for loop, range(), while loop, flowcharts, break and continue statements, nested loops, suggested programs: generating pattern, summation of series, finding the factorial of a positive number, etc.

- Strings: introduction, string operations (concatenation, repetition, membership and slicing), traversing a string using loops, built-in functions/methods–len(), capitalize(), title(), lower(), upper(), count(), find(), index(), endswith(), startswith(), isalnum(), isalpha(), isdigit(), islower(), isupper(), isspace(),lstrip(), rstrip(), strip(), replace(), join(), partition(), split().
- Lists: introduction, indexing, list operations (concatenation, repetition, membership and slicing), traversing a list using loops, built-in functions/methods–len(), list(), append(), extend(), insert(), count(), index(), remove(), pop(), reverse(), sort(), sorted(), min(), max(), sum(); nested lists, suggested programs: finding the maximum, minimum, mean of numeric values stored in a list; linear search on list of numbers and counting the frequency of elements in a list.
- Tuples: introduction, indexing, tuple operations (concatenation, repetition, membership and slicing); built-in functions/methods – len(), tuple(), count(), index(), sorted(), min(), max(), sum(); tuple assignment, nested tuple; suggested programs: finding the minimum, maximum, mean of values stored in a tuple; linear search on a tuple of numbers, counting the frequency of elements in a tuple.
- Dictionary: introduction, accessing items in a dictionary using keys, mutability of a dictionary (adding a new term, modifying an existing item), traversing a dictionary, built-in functions/methods – len(), dict(), keys(), values(), items(), get(), update(), del, clear(), fromkeys(), copy(), pop(), popitem(), setdefault(), max(), min(), sorted(); Suggested programs: count the number of times a character appears in a given string using a dictionary, create a dictionary with names of employees, their salary and access them.
- Introduction to Python modules: Importing module using 'import ' and using from statement, importing math module (pi, e, sqrt(), ceil(), floor(), pow(), fabs(), sin(), cos(), tan()); random module (random(), randint(), randrange()), statistics module (mean(), median(), mode()).
- Society, Law and Ethics

	PE	**Unit 1:** Changing Trends and Careers in Physical Education. **Unit 2:** Olympism Value Education. **Unit 3:** Yoga. **Unit 4:** Physical Education & Sports for Children with special needs (CWSN) **Unit 5:** Physical Fitness, Wellness and Lifestyle. **Unit 6:** Test, Measurement and Evaluation. **Unit 7:** Fundamentals of Anatomy and Physiology in Sports. **Unit 8:** Fundamentals of Kinesiology and Biomechanics in Sports. **Unit 9:** Psychology and Sports. **Unit 10:** Training and Doping in Sports.
	PAINTING	**Unit 1 :** Pre-Historic rock paintings and art of Indus Valley **Unit 2 :** Buddhist , Jain and Hindu Art **Unit 3 :** Temple Sculpture, Bronze and Artistic aspects of Indo-Islamic architecture