

SYLLABUS FOR THE YEAR 2021-2022

MONTH : APRIL

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1	ENGLISH	BEEHIVE: L1- The Fun They Had P1- The Road not Taken P2-The Wind MOMENTS: L1- The Lost Child L2- The Adventures of Toto WRITING SKILLS: Notice , Informal Letter GRAMMAR: Tenses WORKBOOK : Unit 1
2	MATHS	Ch:1 Number System Ch:2 Polynomials
3	PHYSICS	L - 8: State of Rest and Motion; Distance and displacement, velocity; uniform and non-uniform motion along a straight line; acceleration, distance-time and velocity-time graphs for uniform motion and uniformly accelerated motion.
4.	CHEMISTRY	L -1 Matter in our Surroundings Practical: To prepare true solution, colloid and suspension and distinguish between these on the basis of: (A) Transparency (B) Filtration (C) Stability
5.	BIOLOGY	Lesson 5: The Fundamental Unit of Life. Practical: Preparation of stained temporary mount of onion peel & record observations and draw a labelled diagram.
6.	HISTORY	Lesson -1 The French Revolution
7.	POLITICAL SCIENCE	Lesson – 1 - What is Democracy? Why Democracy?
8.	GEOGRAPHY	Lesson- 1-India Size and Location
	ECONOMICS	Lesson 1- The Story of Village Palampur
10.	ARTIFICIAL INTELLIGENCE	Ch 1 Inspire and Acquire Module Ch 2 Domains of AI(Data, CV and NLP)

11.	INFORMATION TECHNOLOGY	Unit 1: Introduction to IT-ITes industry
12.	HINDI	स्पर्श- पाठ – दुःख का अधिकार कविता - पद (रैदास) संचयन – पाठ – गिल्लू व्याकरण – शब्द और पद , अनुस्वार, अनुनासिक , विलोम शब्द, संवाद-लेखन,
13.	SANSKRIT	पाठ -१ भारतीयसन्तगीति (न परीक्षाकृते), पाठ -२ स्वर्णकाकः , स्वर सन्धि - दीर्घ, गुण, वृद्धि, यण्, अयादि, अपठित अनुच्छेद, संस्कृत अनुवाद

MONTH : MAY

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	BEEHIVE: L2- The Sound of Music MOMENTS: L3- Iswaran the Storyteller WRITING SKILLS: Descriptive Writing, Reading Comprehension, Listening Skills GRAMMAR: Comprehension WORKBOOK : Unit 2
2.	MATHS	Ch:2 Polynomials (contd.) Ch:3 Coordinate Geometry
3.	PHYSICS	L - 8 : Derivation of equations of motion by graphical method; elementary idea of uniform circular motion
4.	CHEMISTRY	L -1 Matter in our Surroundings Practical: Compound And Mixture
5.	BIOLOGY	Lesson 6: Tissues Practical: Preparation of stained temporary mount of human cheek cells; record observations and draw a labelled diagram.
6.	HISTORY	Lesson -1 The French Revolution
7.	POLITICAL SCIENCE	Lesson -2 Constitutional Design
8.	GEOGRAPHY	Lesson 2: Physical Features of India.

9.	ECONOMICS	Lesson 1- The Story of Village Palampur (contd.)
10.	ARTIFICIAL INTELLIGENCE	Ch-3 Application of AI in Solving Real World Issues
11.	INFORMATION TECHNOLOGY	Unit 2: Data Entry & Keyboarding Skills
12.	HINDI	स्पर्श – पाठ-दोहे(रहीम जी) व्याकरण – उपसर्ग, प्रत्यय , पर्यायवाची शब्द , अनौपचारिक पत्र, नारा-लेखन
13.	SANSKRIT	पाठ -३ गोदोहनम्, पाठ -४ कल्पतरुः, प्रत्यय- क्त्वा ,तुमुन्, ल्यप् धातुरूप- (परस्मैपदी)-पठ्, धाव्, भ्रम्, खाद्, क्रीड्, भू, नम्, गम्, दा, पा, स्था, पच्, दृश्, कृ, अस्, नृत्, क्रुध् (लट्,लृट्,लङ्ग लकारों में) पत्र (औपचारिक), चित्र वर्णन

MONTH : JULY

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	BEEHIVE: L3- A Little Girl L4- A Truly Beautiful Mind P3- Rain on the Roof P4- Lake Isle of Innisfree MOMENTS: L4- In the Kingdom of Fools WRITING SKILLS: Diary entry, Article Writing, Newspaper Report GRAMMAR: Clauses, sentences (Simple, Compound, Complex) WORKBOOK : Unit 3 & 4
2.	MATHS	Ch:4 Linear Equations in two variables Ch:5 Introduction to Euclid's Geometry Ch:6 Lines and Angles
3.	PHYSICS	L - 9: Balanced and Unbalanced Force, Newton's Laws of Motion, Inertia of a body, Inertia and mass, Momentum, Force and Acceleration. Elementary idea of conservation of Momentum, Action and Reaction forces.

		Practical : To determine the density of solid (denser than water) by using a spring balance and a measuring cylinder.
4.	CHEMISTRY	L-2 Is Matter Around us Pure Practical : 1. Physical and Chemical changes. 2. Separation of components of a mixture of sand, common salt and ammonium chloride.
5.	BIOLOGY	Lesson 6: Tissues (contd.) Lesson 15: Improvement in Food Resources Practical: Identification of Parenchyma, Collenchyma and Sclerenchyma tissues in plants, striped, smooth and cardiac Muscle fibers and nerve cells in animals from prepared slides Draw their labelled diagrams
6.	HISTORY	Lesson -2 Socialism in Europe and the Russian Revolution
7.	POLITICAL SCIENCE	Lesson -2 Constitutional Design
8.	GEOGRAPHY	Chapter 2: Physical Features of India. (contd.)
9.	ECONOMICS	Lesson 2 - People as a Resource
10.	ARTIFICIAL INTELLIGENCE	Ch-7 Basics of Python for Use in AI Projects
11.	INFORMATION TECHNOLOGY	Unit 3 : Digital Documentation
12.	HINDI	स्पर्श – पाठ – एवरेस्ट: मेरी शिखर यात्रा संचयन – पाठ – स्मृति व्याकरण- श्रुतिसमभिन्नार्थक शब्द, अपठित गद्यांश, अनुच्छेद-लेखन
13.	SANSKRIT	पाठ -५ सूक्तिमौक्तिकम् पाठ -६ भ्रान्तो बालः शब्दरूप- स्वरान्त-बालकवत्, फलवत्, साधुवत्, लतावत्, नदीवत्, मुनि, पितृ, मातृ, सर्वनाम - अस्मद्, युष्मद्, इदम्, किम्, तत्, एतत् (तीनों लिङ्गों में) उपपद विभक्ति - द्वितीया- (परितः, समया, निकषा, प्रति, विना) तृतीया- (विना, अलम्, सह, साकम्, सार्धम्, समम्) चतुर्थी- (रुच्य, दा, कुप्, नमः)

		चित्र वर्णन / अनुच्छेद लेखन
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MONTH : AUGUST

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	BEEHIVE: L5- The Snake and the Mirror L6- My Childhood P5- Legend of Northland MOMENTS: L5- The Happy Prince WRITING SKILLS: Story Writing , Descriptive Writing GRAMMAR: Modals WORKBOOK : Unit 5 & 6
2.	MATHS	Ch:6 Lines and Angles (contd.) Ch:7 Triangles Ch:8 Quadrilaterals
3.	PHYSICS	L - 10 Centripetal Force, Gravitation; Universal Law of Gravitation. Force of Gravitation of the earth (gravity).Acceleration due to Gravity; Mass and Weight; Free fall. Practical : To establish the relation between the loss in weight of a solid when fully immersed in (a) tap water (b) strongly salty water, with the weight of water displaced by it by taking at least two different solids.
4.	CHEMISTRY	L-2 Is Matter Around us Pure Practical: To determine the melting point of ice and boiling point of water

5.	BIOLOGY	Lesson 15: Improvement in Food Resources. (contd..) Practical: Study of external features of root, stem, leaf and flower of monocot and dicot plants.
6.	HISTORY	Lesson -2 Socialism in Europe and the Russian Revolution
7.	POLITICAL SCIENCE	Lesson - 3: Electoral Politics
8.	GEOGRAPHY	Lesson - 3 : Drainage
9.	ECONOMICS	Lesson - 2: People as a Resource (contd.)
10.	ARTIFICIAL INTELLIGENCE	Ch 7 Basics of Python for use in AI Projects(contd.)
11.	INFORMATION TECHNOLOGY	Unit 4: Electronic Spreadsheet
12.	HINDI	स्पर्श – पाठ – तुम कब जाओगे, अतिथि कविता –आदमीनामा व्याकरण – अर्थ के आधार पर वाक्य-भेद, संदेश-लेखन
13.	SANSKRIT	पाठ -७ प्रत्यभिज्ञानम् उपसर्ग - आ, वि, प्र, अधि, अप, नि, अव, प्रति, उप, अनु, निर् पत्र (अनौपचारिक), संस्कृत अनुवाद

MONTH: SEPTEMBER – REVISION & HALF YEARLY EXAMINATION

MONTH : OCTOBER

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	BEEHIVE: L7- Packing P6- No Men are Foreign P7- The Duck and the Kangaroo MOMENTS: L6- Weathering the storm at Ersama WRITING SKILLS: Business Letter , Reading GRAMMAR: Active Passive WORKBOOK : Unit 7
2.	MATHS	Ch:9 Area of Parallelograms and Triangles Ch:10 Circles

3.	PHYSICS	L- -10 Thrust and Pressure, Pressure in Fluids Archimedes' Principle; Buoyancy; Law of Floatation, Elementary idea of Relative Density. . Practical : To verify the Laws of reflection of sound.
4.	CHEMISTRY	L-3 : Atoms and Molecules Practical: To verify the law of conservation of mass
5.	BIOLOGY	Lesson 7: Diversity In Living Organisms. Practical: Study of the characteristics of Spirogyra, Agaricus, Moss, Fern, Pinus (either with male or female cone) and an Angiospermic plant. Draw and give two identifying features of the groups they belong to.
6.	HISTORY	Lesson -3 : Nazism and the Rise of Hitler
7.	POLITICAL SCIENCE	Lesson -4 : Working of Institutions
8.	GEOGRAPHY	Lesson - 4 : Climate
9.	ECONOMICS	Lesson - 3: Poverty as a Challenge
10.	ARTIFICIAL INTELLIGENCE	Ch 4 Ethics in AI Ch 5 Understanding AI Project Cycle
11.	INFORMATION TECHNOLOGY	Chapter 10: Unit 5 : Digital Presentation
12.	HINDI	स्पर्श – पाठ — कीचड़ का काव्य कविता – एक फूल की चाह व्याकरण– शब्द और पद, अनुस्वार, अनुनासिक, अपठित गद्यांश , श्रुतिसमभिन्नार्थक शब्द, अनुच्छेद लेखन
13.	SANSKRIT	पाठ -८ लौहतुला पाठ -९ सिकतासेतुः धातुरूप- (परस्मैपदी)- पठ्, धाव्, भ्रम्, खाद् ,क्रीड्, भू, नम्, गम्, दा, पा, स्था, पच्, दृश्, कृ, अस्, नृत्, क्रुध् (लोट्,विधिलिङ्ग लकारों में) (आत्मनेपदी)-सेव्, रुच्, मुद्(लट्, लृट्, लङ्ग, लोट्, विधिलिङ्ग लकारों में) पत्र (औपचारिक / अनौपचारिक), संस्कृत अनुवाद

MONTH : NOVEMBER

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	BEEHIVE: L8- Reach for the Top P8- On Killing a Tree MOMENTS: L7- The Last Leaf WRITING SKILLS: Descriptive writing, Reading Comprehension GRAMMAR: Subject Verb Agreement WORKBOOK : Unit 8
2.	MATHS	Ch:11 Constructions Ch:12 Heron's Formula Ch:13 Surface Area and Volumes
3.	PHYSICS	L - 11: Work done by a Force, Positive, Negative and Zero work Done, Energy, Energy transformation, power; Kinetic energy and Potential energy. Practical : To determine the velocity of a pulse propagated through a stretched string/slinky.
4.	CHEMISTRY	L-3 : Atoms and Molecules
5.	BIOLOGY	Lesson 7: Diversity In Living Organisms (contd.) Lesson 13: Why do we fall ill? Practical: Observe the given pictures/charts/models of the earthworm, cockroach, bony fish and bird. For each organism, draw their picture and record: a) one specific feature of its phylum. b) one adaptive feature with reference to its habitat.
6.	HISTORY	Lesson -3 : Nazism and the Rise of Hitler
7.	POLITICAL SCIENCE	Lesson - 5 : Democratic Rights
8.	GEOGRAPHY	Lesson - 5 :Natural Vegetation and Wildlife
9.	ECONOMICS	Lesson - 3 : Poverty as a Challenge (contd.)
10.	ARTIFICIAL INTELLIGENCE	Ch-6 Getting Started with Neural Network Employability Skills (Part A) Unit 1 : Communication Skills-I Unit 2 : Self-Management Skills-I
11.	INFORMATION TECHNOLOGY	Employability Skills(Part A) Unit 1 : Communication Skills-I Unit 2 : Self-Management Skills-I

12.	HINDI	स्पर्श –पाठ – धर्म की आड़ संचयन – पाठ – हामिद खाँ , दिये जल उठे व्याकरण – पर्यायवाची शब्द, उपसर्ग, प्रत्यय,संदेश-लेखन, अनौपचारिक पत्र
13.	SANSKRIT	पाठ -१० जटायोः शौर्यम् पाठ -११ पर्यावरणम् प्रत्यय - क्त, क्तवतु, शतृ, शानच् अपठित अनुच्छेद, संस्कृत अनुवाद

MONTH : DECEMBER

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	BEEHIVE: L9- The Bond of Love P9- The Snake Trying MOMENTS: L8- A House is not a Home WRITING SKILLS: Article writing , Newspaper Report GRAMMAR: Adverbs WORKBOOK :Unit 9
2.	MATHS	Ch:13 Surface Area and Volume (contd.) Ch:14 Statistics Ch.15 Probability
3.	PHYSICS	L - 11 :Deriving expressions for kinetic energy and potential energy; Law of conservation of energy, Commercial unit of energy
4.	CHEMISTRY	L-4 Structure of Atom
5.	BIOLOGY	Lesson 14: Natural Resources Practical: Observe the given pictures/charts/models of the earthworm, cockroach, bony fish and bird. For each organism, draw their picture and record: a) one specific feature of its phylum. b) one adaptive feature with reference to its habitat.
6.	HISTORY	Lesson - 5 : Pastoralists in the Modern World
7.	POLITICAL SCIENCE	Lesson - 5 : Democratic Rights

8.	GEOGRAPHY	Lesson - 6 : Population
9.	ECONOMICS	Lesson - 4 : Food Security in India
10.	ARTIFICIAL INTELLIGENCE	Employability Skills Unit 3 : Information and Communication Technology Skills-I Unit 4 : Entrepreneurial Skills-I Unit 5 : Green Skills I
11.	INFORMATION TECHNOLOGY	Employability Skills Unit 3 : Information and Communication Technology Skills-I Unit 4 : Entrepreneurial Skills-I
12.	HINDI	स्पर्श – पाठ- शुक्रतारे के समान कविता- अग्निपथ, नए इलाके में , खुशबूरचते हैं हाथ व्याकरण – विलोम शब्द, अर्थ के आधार पर वाक्य-भेद, संवाद- लेखन, नारा-लेखन
13.	SANSKRIT	पाठ -१२ वाङ्मनः प्राणस्वरूपम् (न परीक्षाकृते) उपपद विभक्ति - पञ्चमी- (विना ,बहिः, भी, रक्ष) षष्ठी - (उपरि, अधः, पुरतः, पृष्ठतः) सप्तमी- (स्निह, निपुण, विश्वस्) पत्रलेखनम् (औपचारिक/अनौपचारिक) चित्रवर्णनम् / अनुच्छेदलेखन

MONTH : JANUARY

S.NO.	SUBJECTS	TOPIC/ CHAPTER
1.	ENGLISH	BEEHIVE: L10- Kathmandu P10- A Slumber did my Spirit Seal L11- If I were You (Drama)
		MOMENTS: L9- The Accidental Tourist L10 The Beggar WRITING SKILLS: Story Writing , Diary Entry GRAMMAR: Direct and Indirect Speech WORKBOOK : Unit 10&11
2.	MATHS	Revision

3.	PHYSICS	L - 12 : Nature of sound and its propagation in various media, Characteristics of waves, Characteristics of sound, speed of sound, range of hearing in humans; ultrasound; reflection of sound; Echo and SONAR. Structure of the Human Ear (Auditory aspect only).
4.	CHEMISTRY	Revision
5.	BIOLOGY	Revision
6.	POLITICAL SCIENCE	Revision
7.	HISTORY	Revision L-5 Pastoralists in the Modern World
8.	GEOGRAPHY	Revision
9.	ECONOMICS	Lesson- 4: Food Security in India (contd.)
10.	ARTIFICIAL INTELLIGENCE	Revision
11.	INFORMATION TECHNOLOGY	Employability Skills Unit 5 : Green Skills-I (REVISION)
12.	HINDI	पुनरावृत्ति
13.	SANSKRIT	संख्या - १-१०० तक ,अपठित अनुच्छेद ,संस्कृत अनुवाद , चित्रवर्णनम् / अनुच्छेदलेखन, पठित पाठों की पुनरावृत्ति

MONTH: FEBRUARY & MARCH – REVISION & FINAL EXAMINATION