CHINMAYA VIDYALAYA

NTPC UNCHAHAR, RAEBARELI, UP

SYLLABUS BREAK UP

2024-25

SYLLABUS

MONTHLY SYLLABUS BREAKUP-SESSION-(2024-25)
CLASS – 12 **SUBJECT - ENGLISH**

S.NO.	MONTH	TOPIC/CHAPTER	SUB TOPIC
1	APRIL	**Flamingo** L-1The last Lesson P-1 My Mother at Sixty Six L-2 Lost Spring	Notice Writing Article writing
2	MAY	**Vistas** L-1 The Third Level L-2 The Tiger King	Notice and article writing

MONTHLY SYLLABUS BREAKUP-SESSION-(2024-25)
CLASS – 12 **SUBJECT - ENGLISH**

S.NO.	MONTH	TOPIC/CHAPTER	
4	JUNE	SUMMER BREAK	
5	JULY	**Flamingo** L- 3 Deep Water P-3- Keeping Quiet L-4 The Rattrap	Report writing Invitations and their replies

MONTHLY SYLLABUS BREAKUP-SESSION-(2024-25)
CLASS – 12 **SUBJECT - ENGLISH**

S.NO.	MONTH	TOPIC/CHAPTER	SUB TOPIC
7	AUGUST	**Flamingo** P-4 A thing of beauty L-5 Indigo L-6 Poets and Pancakes **Vistas** L- 3 Journey to the end of the earth L-4 The Enemy	Report writing Invitations and their replies

MONTHLY SYLLABUS BREAKUP-SESSION-(2024-25)
CLASS – 12 **SUBJECT - ENGLISH**

S.NO.	MONTH	TOPIC/CHAPTER	SUB TOPIC
9	SEPTEMBER	**Flamingo** L-7 The Interview P-5 The Roadside stand L-8 Poets and Pancakes **Vistas** L- 6 On the face of it L-8 Memories of my childhood	Letter to the Editor Job Application
11	OCTOBER	**Flamingo** P-6 Aunt Jennifer's Tigers Any pending lesson Revision for pre-boards	

MONTHLY SYLLABUS BREAKUP-SESSION-(2024-25)
CLASS – 12 **SUBJECT - ENGLISH**

S.NO.	MONTH	TOPIC/CHAPTER	SUB TOPIC
11	NOVEMBER	REVISION PRE BOARD-1	-------
12	DECEMBER	REVISION PRE BOARD-2	-------
13	JANUAURY	REVISION PRE BOARD-3	-------
14	FEB-MARCH	REVISION & BOARD EXAMINATION	-------

EXAMINATION WISE- SYLLABUS BREAK UP
SESSION-(2024-25)
CLASS-12 SUBJECT- ENGLISH

S.NO.	NAMEOFEXAM	SYLLABUS
1	WR-1	Flamingo- Lesson-1,2 Poem- 1- My Mother at Sixty Six
2	PRE BOARD-1	Full Syllabus
3.	PRE BOARD-2	Full Syllabus
4.	PRE BOARD-3	Full Syllabus

MONTHLY SYLLABUS BREAKUP-SESSION-(2024-25)

CLASS – XII **SUBJECT -PHYSICS**

S.NO.	MONTH	TOPIC/CHAPTER	SKILLS DEVELOPED	ACTIVITY
1	APRIL	**Ray Optics:** Reflection of light, spherical mirrors, mirror formula, refraction of light, total internal reflection and optical fibers, refraction at spherical surfaces, lenses, thin lens formula, lens maker's formula, magnification, power of a lens, combination of thin lenses in contact, refraction of light through a prism. Optical instruments: Microscopes and astronomical telescopes (reflecting and refracting) and their magnifying powers.	Calculation skill Intellectual and numerical ability	
2	MAY	**Wave optics:** Wave front and Huygen's principle, reflection and refraction of plane wave at a plane surface using wave fronts. Proof of laws of reflection and refraction using Huygen's principle. Interference, Young's double slit experiment and expression for fringe width (No derivation final expression only), coherent sources and sustained interference of light, diffraction due to a single slit, width of central maxima (qualitative treatment only). **Chapter–8: Electromagnetic Waves** Basic idea of displacement current, Electromagnetic waves, their characteristics, their transverse nature (qualitative idea only). Electromagnetic spectrum (radio waves, microwaves, infrared, visible, ultraviolet, X-rays, gamma rays) including elementary facts about their uses.	Intellectual and numerical ability	

MONTHLY SYLLABUS BREAKUP-SESSION-(2024-245
CLASS – XII SUBJECT - PHYSICS

S.NO.	MONTH	TOPIC/CHAPTER	SKILLS DEVELOPED	ACTIVITY
1			Calculation skill Intellectual and numerical ability	
3	JUNE	**SUMMER VACATION**		
4	JULY	**Chapter–1: Electric Charges and Fields** Electric charges, Conservation of charge, Coulomb's law-force between two- point charges, forces between multiple charges; superposition principle and continuous charge distribution. Electric field, electric field due to a point charge, electric field lines, electric dipole, electric field due to a dipole, torque on a dipole in uniform electric field. Electric flux, statement of Gauss's theorem and its applications to find field due to infinitely long straight wire, uniformly charged infinite plane sheet and uniformly charged thin spherical shell (field inside and outside). **Chapter–2: Electrostatic Potential and Capacitance** Electric potential, potential difference, electric potential due to a point charge, a dipole and system of charges; equipotential surfaces, electrical potential energy of a system of two-point charges and of electric dipole in an electrostatic field. Conductors and insulators, free charges and bound charges inside a conductor. Dielectrics and electric polarization, capacitors and capacitance, combination of capacitors in series and in parallel, capacitance of a parallel plate capacitor with and without dielectric medium between the plates, energy stored in a capacitor (no derivation, formulae only).	Intellectual and numerical ability	

MONTHLY SYLLABUS BREAKUP-SESSION-(2024-25)
CLASS – XII SUBJECT - PHYSICS

S.NO.	MONTH	TOPIC/CHAPTER	SKILLS DEVELOPED	ACTIVITY
1	AUGUST	**Chapter–3: Current Electricity** Electric current, flow of electric charges in a metallic conductor, drift velocity, mobility and their relation with electric current; Ohm's law, V-I characteristics (linear and non-linear), electrical energy and power, electrical resistivity and conductivity, temperature dependence of resistance, Internal resistance of a cell, potential difference and emf of a cell, combination of cells in series and in parallel, Kirchhoff's rules, Wheatstone bridge.	Calculation skill Intellectual and numerical ability	

MONTHLY SYLLABUS BREAKUP-SESSION-(2024-25)
CLASS – XII SUBJECT - PHYSICS

S.NO.	MONTH	TOPIC/CHAPTER	SKILLS DEVELOPED	ACTIVITY
1	SEPTEMBER	**Chapter–4: Moving Charges and Magnetism** Concept of magnetic field, Oersted's experiment. Biot - Savart law and its application to current carrying circular loop. Ampere's law and its applications to infinitely long straight wire. Straight solenoid (only qualitative treatment), force on a moving charge in uniform magnetic and electric fields. Force on a current-carrying conductor in a uniform magnetic field, force between two parallel current-carrying conductors-definition of ampere, torque experienced by a current loop in uniform magnetic field; Current loop as a magnetic dipole and its magnetic dipole moment, moving coil galvanometer- its current sensitivity and conversion to ammeter and voltmeter.	Calculation skill Intellectual and numerical ability	

MONTHLY SYLLABUS BREAKUP-SESSION- (2024-25)
CLASS – XII SUBJECT - PHYSICS

S.NO.	MONTH	TOPIC/CHAPTER	SKILLS DEVELOPED	ACTIVITY
1	OCTOBER	**Chapter–11: Dual Nature of Radiation and Matter** Dual nature of radiation, Photoelectric effect, Hertz and Lenard's observations; Einstein's photoelectric equation-particle nature of light. Experimental study of photoelectric effect Matter waves-wave nature of particles, de-Broglie relation. **Unit VIII: Atoms and Nuclei** **15 Periods** **Chapter–12: Atoms** Alpha-particle scattering experiment; Rutherford's model of atom; Bohr model of hydrogen atom, Expression for radius of nth possible orbit, velocity and energy of electron in his orbit, of hydrogen line spectra (qualitative treatment only).	Calculation skill Intellectual and numerical ability	
6	NOVEMBER	**Chapter–13: Nuclei** Composition and size of nucleus, nuclear force Mass-energy relation, mass defect; binding energy per nucleon and its variation with mass number; nuclear fission, nuclear fusion.		

MONTHLY SYLLABUS BREAKUP-SESSION-(2024-25)
CLASS – XII SUBJECT - PHYSICS

S.NO.	MONTH	TOPIC/CHAPTER	SKILLS DEVELOPED	ACTIVITY
1	NOVEMBER	**Chapter–14: Semiconductor Electronics: Materials, Devices and Simple Circuits** Energy bands in conductors, semiconductors and insulators (qualitative ideas only) Intrinsic and extrinsic semiconductors- p and n type, p-n junction Semiconductor diode - I-V characteristics in forward and reverse bias, application of junction diode -diode as a rectifier.	Calculation skill Intellectual and numerical ability	

EXAMINATION WISE- SYLLABUS BREAK UP
SUB.- PHYSICS

SESSION-((2024-25)

S.NO.	NAME OF EXAM	SYLLABUS
1	WR -1	OPTICS (REY OPTICS)
2	PB1	COMPLETE SYLLABUS
3	PB2	COMPLETE SYLLABUS
4	PB3	COMPLETE SYLLABUS

MONTHLY SYLLABUS BREAKUP-SESSION-(2024-25)
CLASS – 12 **SUBJECT - CHEMISTRY**

S.NO.	MONTH	TOPIC/CHAPTER	SUB TOPIC
1	APRIL	SOLUTIONS	Types of solutions, expression of concentration of solutions of solids in liquids, solubility of gases in liquids, solid solutions, Raoult's law, colligative properties - relative lowering of vapour pressure, elevation of boiling point, depression of freezing point, osmotic pressure, determination of molecular masses using colligative properties, abnormal molecular mass, Van't Hoff factor. Colligative properties - relative lowering of vapour pressure, elevation of boiling point, depression of freezing point, osmotic pressure, determination of molecular masses using colligative properties, abnormal molecular mass, Van't Hoff factor.
2	APRIL	ELECTROCHEMISTRY	Redox reactions, EMF of a cell, standard electrode potential, Nernst equation and its application to chemical cells, Relation between Gibbs energy change and EMF of a cell. Conductance in electrolytic solutions, specific and molar conductivity, variations of conductivity with concentration, Kohlrausch's Law, electrolysis and law of electrolysis (elementary idea), dry cell-electrolytic cells and Galvanic cells, lead accumulator, fuel cells, corrosion.

MONTHLY SYLLABUS BREAKUP-SESSION-(2024-25)
CLASS – 12 **SUBJECT - CHEMISTRY**

S.NO.	MONTH	TOPIC/CHAPTER	SUB TOPIC
3	MAY	CHEMICAL KINETICS	Rate of a reaction (Average and instantaneous), factors affecting rate of reaction: concentration, temperature, catalyst; order and molecularity of a reaction, rate law and specific rate constant, integrated rate equations and half-life (only for zero and first order reactions), concept of collision theory (elementary idea, no mathematical treatment), activation energy, Arrhenius equation.
4	JUNE	SUMMER BREAK	……
5	JULY	d AND f BLOCK ELEMENTS	General introduction, electronic configuration, occurrence and characteristics of transition metals, general trends in properties of the first-row transition metals – metallic character, ionization enthalpy, oxidation states, ionic radii, colour, catalytic property, magneticproperties, interstitial compounds, alloy formation, preparation and properties of K2Cr2O7 and KMnO4. **Lanthanoids –** Electronic configuration, oxidation states, chemical reactivity and lanthanoid contraction and its consequences. **Actinoids -** Electronic configuration, oxidation states and comparison with lanthanoids.

MONTHLY SYLLABUS BREAKUP-SESSION-(2024-25)
CLASS – 12 **SUBJECT - CHEMISTRY**

S.NO.	MONTH	TOPIC/CHAPTER	SUB TOPIC
6	JULY	COORDINATION COMPOUNDS	Coordination compounds - Introduction, ligands, coordination number, colour, magnetic properties and shapes, IUPAC nomenclature of mononuclear coordination compounds. Bonding, Werner's theory, VBT, and CFT; structure and stereoisomerism, the importance of coordination compounds (in qualitative analysis, extraction of metals and biological system).
7	AUGUST	HALOALKANES AND HALOARENES	**Haloalkanes:** Nomenclature, nature of C–X bond, physical and chemical properties, optical rotation mechanism of substitution reactions. **Haloarenes:** Nature of C–X bond, substitution reactions (Directive influence of halogen in monosubstituted compounds only). Uses and environmental effects of - dichloromethane, trichloromethane, tetrachloromethane, iodoform, freons, DDT.
8	AUGUST	ALCOHOLS, PHENOLS AND ETHERS	**Alcohols:** Nomenclature, methods of preparation, physical and chemical properties (of primary alcohols only), identification of primary, secondary and tertiary alcohols, mechanism of dehydration, uses with special reference to methanol and ethanol. **Phenols:** Nomenclature, methods of preparation, physical and chemical properties, acidic nature of phenol, electrophilic substitution reactions, uses of phenols. **Ethers:** Nomenclature, methods of preparation, physical and chemical properties, uses.

MONTHLY SYLLABUS BREAKUP-SESSION-(2024-25)
CLASS – 12 **SUBJECT - CHEMISTRY**

S.NO.	MONTH	TOPIC/CHAPTER	SUB TOPIC
9	SEPTEMBER	ALDEHYDES, KETONES AND CARBOXILIC ACID	**Aldehydes and Ketones:** Nomenclature, nature of carbonyl group, methods of preparation, physical and chemical properties, mechanism of nucleophilic addition, reactivity of alpha hydrogen in aldehydes, uses. **Carboxylic Acids:** Nomenclature, acidic nature, methods of preparation, physical and chemical properties; uses.
10	SEPTEMBER	AMINES	**Amines:** Nomenclature, classification, structure, methods of preparation, physical and chemical properties, uses, identification of primary, secondary and tertiary amines. **Diazonium salts:** Preparation, chemical reactions and importance in synthetic organic chemistry.
11	OCTOBER	BIOMOLECULES	**Carbohydrates -** Classification (aldoses and ketoses), monosaccharides (glucose and fructose), D-L configuration oligosaccharides (sucrose, lactose, maltose), polysaccharides (starch, cellulose, glycogen); Importance of carbohydrates. **Proteins -**Elementary idea of - amino acids, peptide bond, polypeptides, proteins, structure of proteins - primary, secondary, tertiary structure and quaternary structures (qualitative idea only), denaturation of proteins; enzymes. Hormones - Elementary idea excluding structure. **Vitamins -** Classification and functions. **Nucleic Acids:** DNA and RNA.

MONTHLY SYLLABUS BREAKUP-SESSION-(2024-25)
CLASS – 12 **SUBJECT - CHEMISTRY**

S.NO.	MONTH	TOPIC/CHAPTER	SUB TOPIC
11	NOVEMBER	REVISION PRE BOARD-1	-------
12	DECEMBER	REVISION PRE BOARD-2	-------
13	JANUAURY	REVISION PRE BOARD-3	-------
14	FEB-MARCH	REVISION & BOARD EXAMINATION	-------

EXAMINATION WISE- SYLLABUS BREAK UP
SESSION-(2024-25)
CLASS-12 SUBJECT-CHEMISTRY

S.NO.	NAMEOFEXAM	SYLLABUS
1	WR-1	1. SOLUTIONS 2. ELECTROCHEMISTRY
2	PRE BOARD-1	1. SOLUTIONS 2. ELECTROCHEMISTRY 3. CHEMICAL KINETICS 4. d AND f BLOCK ELEMENTS 5. COORDINATION COMPOUNDS 6. HALOALKANES AND HALOARENES 7. ALCOHOLS, PHENOLS AND ETHERS 8. ALDEHYDES, KETONES AND CARBOXILIC ACID 9. AMINES
3,	PRE BOARD-2	1. SOLUTIONS 2. ELECTROCHEMISTRY 3. CHEMICAL KINETICS 4. d AND f BLOCK ELEMENTS 5. COORDINATION COMPOUNDS 6. HALOALKANES AND HALOARENES 7. ALCOHOLS, PHENOLS AND ETHERS 8. ALDEHYDES, KETONES AND CARBOXILIC ACID 9. AMINES 10. BIOMOLECULES
4.	PRE BOARD-3	1. SOLUTIONS 2. ELECTROCHEMISTRY 3. CHEMICAL KINETICS 4. d AND f BLOCK ELEMENTS 5. COORDINATION COMPOUNDS 6. HALOALKANES AND HALOARENES 7. ALCOHOLS, PHENOLS AND ETHERS 8. ALDEHYDES, KETONES AND CARBOXILIC ACID 9. AMINES 10. BIOMOLECULES

SYLLAUS BREAKUP (2024-2025)
Subject – Mathematics
Class - XII
Text Book – NCERT

MONTH	CHAPTER	SUBJECT ENRICHMENT ACTIVITY
April	L-1: Relations & Functions L-2 : Inverse Trigonometric Function L-3 : Matrices	To demonstrate a function which is not one-one but is onto. To draw the graph of $\sin^{-1} x$, using the graph of sin x and demonstrate the concept of mirror reflection (about the line $y = x$). To explore the principal value of the function $\sin^{-1} x$ using a unit circle.
May	L-4: Determinants	
July	L-5: Continuity and Differentiability L-6 : Application of Derivatives	To understand the concepts of local maxima, local minima and point of inflection. To construct an open box of maximum volume from a given rectangular sheet by cutting equal squares from each corner.
August	L-7: Integrals L-8: Application of Integrals	
September	L-9 : Differential Equations	
October	L-10: Vectors L-11 : Three Dimensional Geometry	To verify that angle in a semi-circle is a right angle, using vector method.
November	L-12 : Linear Programming Problems L-13 : Probability	To explain the computation of conditional probability of a given event A, when event B has already occurred, through an example of throwing a pair of dice.
December Jan & Feb	Revision	

SYLLAUS BREAKUP (2024-2025)
Subject – Mathematics
Class - XII
Text Book – NCERT

EXAMINATION	SYLLABUS
WR-1	1. Relations and Functions 2. Inverse Trigonometric Functions 3. Matrices
PB-1	1. Relations and Functions 2. Inverse Trigonometric Functions 3. Matrices 4. Determinants 4. Continuity & Differentiability 5. Application of Derivatives 7. Integrals 8. Application of Integrals 9 : Differential Equations 10.Vectors 11.Three Dimensional Geometry
PB-2	Complete Syllabus
PB-3	Complete Syllabus

MONTHLY SYLLABUS BREAKUP-SESSION-(2024-25)

CLASS – 12 **SUBJECT - BIOLOGY**

S.NO.	MONTH	TOPIC/CHAPTER	SUB TOPIC	ACTIVITY
1	APRIL	2. SEXUAL REPRODUCTION IN FLOWERING PLANTS	Flower structure; development of male and female gametophytes; pollination - types, agencies and examples; out breeding devices; pollen-pistil interaction; double fertilization; post fertilization events - development of endosperm and embryo, development of seed and formation of fruit; special modes- apomixis, parthenocarpy, polyembryony; Significance of seed dispersal and fruit formation.	**A. List of Experiments** 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. **B. Study and observer the following (Spotting):** 1. Flowers adapted to pollination by different agencies (wind, insects, birds). 2. Pollen germination on stigma through a permanent slide or scanning electron micrograph.
2	MAY	3. HUMAN REPRODUCTION 4. REPRODUCTIVE HEALTH	Male and female reproductive systems; microscopic anatomy of testis and ovary; gametogenesis - spermatogenesis and oogenesis; menstrual cycle; fertilisation, embryo development upto blastocyst formation, implantation;	

MONTHLY SYLLABUS BREAKUP-SESSION-(2024-25)

CLASS – 12 **SUBJECT - BIOLOGY**

S.NO.	MONTH	TOPIC/CHAPTER	SUB TOPIC	ACTIVITY
	MAY		pregnancy and placenta formation (elementary idea); parturition (elementary idea); lactation (elementary idea). Need for reproductive health and prevention of Sexually Transmitted Diseases (STDs); birth control - need and methods, contraception and medical termination of pregnancy (MTP); amniocentesis; infertility and assisted reproductive technologies – IVF, ZIFT, GIFT (elementary idea for general awareness).	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). 6. Mendelian inheritance using seeds of different colour/sizes of any plant. 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. 8. Controlled pollination - emasculation, tagging andbagging.
3	JUNE	5. PRINCIPLES OF INHERITANCE AND VARIATION	Mendelian inheritance; deviations from Mendelism – incomplete dominance, co-dominance, multiple alleles and inheritance of blood groups, pleiotropy; elementary idea of polygenic inheritance; chromosome theory of inheritance; chromosomes and genes; Sex determination - in humans, birds and honey bee; linkage and crossing over; sex linked inheritance - haemophilia, colour blindness; Mendelian disorders in humans - thalassemia; chromosomal disorders in humans; Down's syndrome, Turner's and Klinefelter's syndromes.	

MONTHLY SYLLABUS BREAKUP-SESSION-(2024-25)

CLASS – 12 **SUBJECT - BIOLOGY**

4	JULY	6. MOLECULAR BASIS OF INHERITANCE	Search for genetic material and DNA as genetic material; Structure of DNA and RNA; DNA packaging; DNA replication; Central Dogma; transcription, genetic code, translation; gene 8 expression and regulation - lac operon; Genome, Human and rice genome projects; DNA fingerprinting.	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. 10.Models specimen showing symbolic association in root modules of leguminous plants, Cuscuta on host, lichens. 11.Flash cards models showing examples of homologous and analogous organs.

MONTHLY SYLLABUS BREAKUP-SESSION-(2024-25)

CLASS – 12 **SUBJECT - BIOLOGY**

5	AUGUST	7.EVOLUTION 8. HUMAN HEALTH AND DISEASE	Origin of life; biological evolution and evidences for biological evolution (paleontology, comparative anatomy, embryology and molecular evidences); Darwin's contribution, modern synthetic theory of evolution; mechanism of evolution - variation (mutation and recombination) and natural selection with examples, types of natural selection; Gene flow and genetic drift; Hardy - Weinberg's principle; adaptive radiation; human evolution. Pathogens; parasites causing human diseases (malaria, dengue, chikungunya, filariasis, ascariasis, typhoid, pneumonia, common cold, amoebiasis, ring worm) and their control; Basic concepts of immunology - vaccines; cancer, HIV and AIDS; Adolescence - drug and alcohol abuse.	
6	SEPTEMBER	10. MICROBES IN HUMAN WELFARE 11.BIOTECHNOLOGY: PRINCIPLES AND PROCESSES	Microbes in food processing, industrial production, sewage treatment, energy generation andmicrobes as bio-control agents and bio-fertilizers. Antibiotics; production and judicious use Genetic Engineering (Recombinant DNA Technology).	

MONTHLY SYLLABUS BREAKUP-SESSION-(2024-25)

CLASS – 12 **SUBJECT - BIOLOGY**

		12.BIOTECHNOLOGY AND ITS APPLICATIONS	Application of biotechnology in health and agriculture: Human insulin and vaccine production, stem cell technology, gene therapy; genetically modified organisms - Bt crops; transgenic animals; biosafety issues, biopiracy and patents.	

MONTHLY SYLLABUS BREAKUP-SESSION-(2024-25)

CLASS – 12 **SUBJECT - BIOLOGY**

7	OCTOBER	13.ORGANISMS AND POPULATIONS 14. ECOSYSTEM 15. BIODIVERSITY AND CONSERVATION	Population interactions - mutualism, competition, predation, parasitism; population attributes - growth, birth rate and death rate, age distribution. (Topics excluded: Organism and its Environment, Major Aboitic Factors, Responses to Abioitic Factors, Adaptations) Ecosystems: Patterns, components; productivity and decomposition; energy flow; pyramids of number, biomass, energy (Topics excluded: Ecological Succession and Nutrient Cycles) Biodiversity-Concept, patterns, importance; loss of biodiversity; biodiversity conservation; hotspots, endangered organisms, extinction, Red Data Book, Sacred Groves, biosphere reserves, national parks, wildlife, sanctuaries and Ramsar sites.	

MONTHLY SYLLABUS BREAKUP-SESSION-(2024-25)

CLASS – 12 **SUBJECT - BIOLOGY**

8	NOVEMBER	Pre- Board 1		
9	DECEMBER	Pre- Board 2		
10	JANUARY	Pre- Board 3		

EXAMINATION WISE- SYLLABUS BREAK UP
SESSION-(2024-25)

Class- 12 **Subject- Biology**

S.NO.	NAME OF EXAM	SYLLABUS
1	Weekly Review-1 (15/07/2024 To 22/07/2024)	Chapter-2, 3 & 4
2	Pre- Board- 1 (06/11/2024 To 18/11/2024)	Whole Syllabus
3	Pre- Board - 2 (19/12/2024 To 30/12/2024)	Whole Syllabus
4	Pre- Board - 3 (16/01/2025 To 27/01/2025)	Whole Syllabus

CHINMAYA VIDYALAYA NTPC UNCHAHAR

MONTHLY SYLLABUS BREAKUP-SESSION-(2024)

CLASS – XII

SUBJECT -PHYSICAL EDUCATION (048)

S.NO.	MONTH	UNIT/CHAPTER
1	APRIL	MANAGEMENT OF SPORTS EVENTS, CHILDREN & WOMEN IN SPORTS
2	MAY	YOGA & PREVENTIVE MEASURE FOR LIFE STYLE DISEASE
3	JUNE	SUMMER BREAK
4	JULY	PHYSICAL EDUCATION & SPORTS FOR CWSN (Children with Special SPORTS & NUTRITON
5	AUGUST	TEST & MEASURMENT PHYSIOLOGY & INJURIES IN SPORTS
6	SEPTEMBER	REVISION OF EVALUATION-1
7	OCTOBER	PHYSIOLOGY & INJURIES IN SPORTS, BIOMECHANICS & SPORTS

MONTHLY SYLLABUS BREAKUP-SESSION-(2024)
CLASS – XII **SUBJECT -PHYSICAL EDUCATION (048)**

8	**NOVEMBER**	**PSYCHOLOGY & SPORTS TRAINNING IN SPORS**
9	**DECEMBER**	**PRE-BOARD 1**
10	**JANUAURY**	**PRE-BOARD 2**
11	**FEBRUARY**	**CBSE BOARD EXAMINATION**
12	**MARCH**	**CBSE BOARD EXAMINATION**

EXAMINATION WISE- SYLLABUS BREAK UP
SESSION-(2024)

S.NO.	NAME OF EXAM	SYLLABUS	
1	**WEEKLY REVIEW-1**	**UNIT -**	**1,2 &3**
2	**HALF YEARLY EXAMINATION**	**UNIT-**	**1,2,3,4,5, &6**
3	**WEEKLY REVIEW-2**	**UNIT-**	7 & 8
4	**PRE-BOARD 1**	**UNIT-**	**1,2,3,4,5, 6,7,8,9&10**
5	**PRE-BOARD 2**	**UNIT-**	**1,2,3,4,5, 6,7,8,9&10**

Unit No.	Unit Name	Marks	Periods	
			Theory	Practical
1	Computational Thinking and Programming – 2	40	70	50
2	Computer Networks	10	15	...
3	Database Management	20	25	20
	Total	**70**	**110**	**70**

MONTHLY SYLLABUS BREAKUP-SESSION-(2024-25)
CLASS – XII **SUBJECT - Computer Science**

S.NO.	MONTH	TOPIC/CHAPTER	SUB TOPIC	ACTIVITY
1	APRIL	• Functions • Exception Handling • Introduction to files • Text File		Seminar Lab Work
2	MAY.	• Binary file		Seminar Lab Work
3	JUNE	• **SUMMERBREAK** • **Revision**		Seminar Lab Work
4	JULY	• CSV file • Data Structure		Seminar Lab Work

MONTHLY SYLLABUS BREAKUP-SESSION-(2024-25)
CLASS – XII **SUBJECT - Computer Science**

5	AUGUST	• Database concepts • Structured Query Language • Interface of python with an SQL database		Seminar Lab Work
6	SEPTEMBER	• Evolution of networking • Data communication terminologies • Transmission media		Seminar Lab Work
7	OCTOBER	• Network devices • Network topologies • Network protocol • Introduction to web services		Seminar Lab Work
8	NOVEMBER	**Revision**		Seminar Lab Work

EXAMINATION WISE- SYLLABUS BREAK UP
SESSION-(2024-25)

S.NO.	NAME OF EXAM	SYLLABUS
1	PT -1	Unit 1
2	Pre Board	All unit