CLASS

XI

ENGLISH CORE (301)

SUBJECT	MONTH	CHAPTERS	ACTIVITY / PROJECT
ENGLISH CORE (301)	**APRIL**	**Prose** 1. The Portrait of a Lady 2. The Summer of a Beautiful White Horse **Poetry** 1. A Photograph **Writing** 1. Posters **Grammar** 1. Tenses	➢ Present a pen picture of your grandparents describing their qualities you admire and appreciate the most.
	MAY	**Prose** 1. The Address 2. We're not afraid to Die...if we can be together **Poetry** 1. The Laburnum Top **Writing** 1. Speech **Grammar** 1. Re-ordering	➢ learn the parts of ship and different terms/words related to voyage.
	JULY	**Prose** 1. Discovering Tut: The Saga Continues 2. The Adventure 3. Mother's Day **Poetry** 1. The Voice of the Rain **Reading** **1.** Note Making **2.** Comprehension through Unseen Passages	➢ Prepare a project on 'Mother' comprising the collections of either self-written compositions or newspaper cuttings /famous speeches.
	AUGUST	**Prose** 1. Silk Road **Grammar** **1.** Clauses **Writing** 1. Advertisements (Classifieds)	
	SEPTEMBER	**TERM-I BEGINS**	

	OCTOBER	**Prose** 1. Birth **Writing** 1. Debate **Grammar** Transformation of sentences **Poetry** Childhood	Write a brief note on 'Childhood is an essential state in the process of growing up, but it can't go on forever.'
	NOVEMBER	**Prose** 1. Revision of Entire Syllabus Begins **Poetry** 1. Father to Son 2. The Tale of Melon City **PRE-ANNUAL EXAM BEGINS**	Write a note on the foolish decisions taken by the ancient kings and rulers that resulted in disastrous consequences.
	DECEMBER	**Reading** 1. Note Making 2. Comprehension through Unseen Passages	
	JANUARY	**FULL SYLLABUS REVISION**	
	FEBRUARY	**TERM-II BEGINS**	

HISTORY

(027)

SUBJECT	MONTH	CHAPTERS	ACTIVITY/PROJECT ART INTEGRATED ACTIVITY.
HISTORY (027)	**April**	**Introduction of world History and basic concept of history** Map work of the related themes **Theme 2- Writing and City Life** **Introduction Timeline II (100 BCE to 1300 CE)**	Prepare a chart on tools used by early humans and settlement pattern and crops.
	May	**Theme 3** An Empire across Three Continents **Theme 4** Nomadic Empires Introduction Time line III (C-1300 to 1700) Map work of the related themes	Cumulative test one in a month of all chapter and previous chapter. Discussion and debate on different empires of world.
	July	**Theme 4** Nomadic Empires **(Contd……..)** **Theme 5** Three Orders Map work of the related themes	Chapter based assignment. Watch Genghis Khan's film and discuss about his world view. • Debate on Feudal system. Comparison on Indian and European Feudal system (Presentation)
	August	**Theme 5** Three Orders (Contd.) Map work of the related themes 70% syllabus completed Revision for upcoming half yearly examination	• Pictures and discussions held on renaissance paintings' or 'slave trade' Debate and explain the Historical phenomenon of feudalism.
	September	**Term-1 Examination Begins**	•
	October	**Theme 6 Changing Cultural tradition.** **Introduction Time line IV (C 1700 to 2000)** Map work of the related themes	Art integrated Project. Prepare a file on different cultures of world. • Graphic Chart to compare the life of woman during this period. • Group work on Protestant and Catholic reformation and de brief. •
	November	**Theme 7 Displacing Indigenous People.** **Theme 8. Paths to Modernization** Map work of the related themes	*** Oral presentation and Group discussion based on the given chapter.** *** Discussion on Japan's and Korea's Modernisation** *** Project on the concept of modernisation and its**

		PRE-ANNUAL EXAM BEGINS	**application in various forms. (to be given soon after second term)**
	December	**Theme 8. Paths to Modernization (CONTD.)**	
	January	**Quick revision for all chapters (Sample Papers)** • **Doubt solving class twice in a week.** **Peer Tutoring (Advance, Average, Slow learners)**	
	February	**ANNUAL EXAMINATON**	

ECONOMICS

(030)

SUBJECT	MONTH	CHAPTERS	ACTIVITY / PROJECT
ECONOMICS (030)	**APRIL**	**Statistics for Economics** – 1. Introduction 2. Collection of data 3. Organisation of data **Introductory Micro Economics** – 1. Introduction 2. Consumer's Equilibrium - meaning of utility, marginal utility, law of diminishing marginal utility	Conduct a research and prepare a report on popularity of fast food among the children using primary data by- * Designing a questionnaire. * Collection of data. Classification of data.
	MAY	**Statistics -1.** Presentation of data **Introductory Micro Economics** – 1. Consumer's Equilibrium (continues...) Demand	* Presentation of data collected by the survey.
	JULY	**Introductory Micro Economics** – 1. Price Elasticity of demand **Statistics - Measures of central tendency** Arithmetic Mean , Median, Mode	Panel discussion on the price rise and its effect on demand in the current scenario.
	AUGUST	**Statistics** – 1. Correlation – a. meaning and properties, scatter diagram; Measures of Correlation - Karl Pearson's method (two variables ungrouped data). **Introductory Micro Economics – Producer behavior and supply -** 1. **Total product, Average Product and Marginal product** **Returns to a Factor.**	Prepare a detailed report on producer behavior with the help of an example of a production unit.
	SEPTEMBER	**HALF YEARLY EXAMINATION**	
	OCTOBER	**Statistics –** 1. **Correlation contd… Spearman's rank Correlation.** 2. **Introduction to Index Numbers –** **meaning, types – Wholesale price Index,**	

		Consumer price index	
	NOVEMBER	**Introductory Micro Economics –** 1. **Cost** 2. **Revenue** 3. **Producer's Equilibrium** **Supply** **PRE-ANNUAL EXAM BEGINS**	**To prepare a project on any one topic according to the guidelines given by CBSE.**
	DECEMBER	**Statistics – 1. Index numbers Continues..** **1.Index of industrial production, uses of index numbers; Inflation and index numbers Introductory Micro Economics –**	**Completion of the project.**
	JANUARY	**1. Forms of market and price Determination under perfect competition with simple applications**	
	FEBRUARY	**REVISION**	

POLITICAL SCIENCE (028)

SUBJECT	MONTH	CHAPTERS	ACTIVITY/PROJECT
POLITICAL SCIENCE (028)	**APRIL**	PartA: Indian Constitution at work I. Constitution Part-B: Political Theory I. Political Theory: An Introduction	Discuss the importance of constitution in a democratic country.
	MAY	Part A: II. Rights in Indian Constitution Part B: II. Freedom	Significance of rights for a citizen of India and compare it with that of South Africa.
	JULY	Part A: III. Election and representation Part A: IV. Executive Part B: III. Equality	Realizing importance of social media and technology in modern political campaigns and discuss its pros and cons.
	AUGUST	Part A:V. Legislative Part A: VI. Judiciary Part B: IV. Social Justice Part B: V. Rights	Discussing role of judiciary and importance of justice and rights in a developing nation like India.
	SETEMBER	**REVISION & TERM-I EXAMINATION BEGINS**	
	OCTOBER	Part A: VII. Federalism Part A: VIII. Local government Part B: VI. Citizenship	Understanding role of Local government in development. Understanding the significance of a federal nation
	NOVEMBER	Part A: Constitution as a living document and the philosophy of the constitution. Part B: VII. Nationalism **PRE-ANNUAL EXAM BEGINS**	Discussing amendments about right to education and good service taxes. Is nationalism is beneficial for country's development?
	DECEMBER	**Part B: VIII. Secularism**	Discussing if a secular state can effectively balance the principle of religious freedom and national unity.
	JANUARY	**REVISION**	
	FEBRUARY	**TERM II BEGINS**	

PHYSICAL EDUCATION (048)

SUBJECT	MONTH	CHAPTERS	ACTIVITY/PROJECT/ART INTEGRATED PROJECT
PHYSICAL EDUCATION (048)	**April**	UNIT-1 Changing Trends & Career in Physical Education	ACTIVITY-1 Make a project of any three carriers in physical education
	May	UNIT-2 Olympic Value Education	ACTIVITY-2 ➢ Practical-1: Fitness tests administration. (SAI Khelo India Test) ➢ Practical-2: Procedure for Asanas, Benefits & Contraindication for any two Asanas for each lifestyle disease. ➢ Practical-3: Anyone one IOA recognized Sport/Game of choice. Labelled diagram of Field & Equipment. Also mention its Rules, Terminologies & Skills
	July	UNIT-3 Yoga UNIT- 4 Physical Education & Sports for CWSN	
	August	UNIT - 5 Physical Fitness, Wellness UNIT - 6 Test, Measurements & Evaluation	
	September	**HALF YEARLY EXAMINATION BEGINS**	
	October	UNIT-7 Fundamentals of Anatomy and Physiology in Sports	Activity 3 Make a Project on Comparison between the sports facilities of Arunachal Pradesh and Uttar Pradesh.
	November	UNIT-8 Fundamentals of Kinesiology and Biomechanics in Sports **PRE-ANNUAL EXAM BEGINS**	
	December	UNIT-9 Psychology and Sports	Activity 4 Make a Poster of all the enlisted Prohibited Substances banned by WADA which helps in enhancing the performance of an athlete.
	January	UNIT10 Training & Doping in Sport	
	February	**ANNUAL EXAMINATION BEGINS**	

PHYSICS
(042)

SUBJECT	MONTH	CHAPTERS	ACTIVITY/PROJECT
PHYSICS (042)	**APRIL**	**Ch1:** Units and measurement, **Ch2:** Motion in a straight line	**Exp 1:** To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume.
	MAY	**Ch3:** Motion in a plane	**Exp 2**: To measure diameter of a given wire and thickness of a given sheet using screw gauge
	JULY	**Ch4:** Laws of motion, **Ch5:** Work, Energy and Power	**Exp 3:** Using a simple pendulum, plot its L-T^2 graph and use it to find the effective length of second's pendulum. **Act 1:** To make a paper scale of given least count, e.g., 0.2cm, 0.5 cm.
	AUGUST	**Ch6:** System of particles and rotational motion,	**Exp 4:** To study variation of time period of a simple pendulum of a given length by taking bobs of same size but different masses and interpret the result. **Act 2:** To study the variation in range of a projectile with angle of projection. **Act 3:** To study dissipation of energy of a simple pendulum by plotting a graph between square of amplitude and time.
	SEPTEMBER	**Revision and Term-I Begins**	
	OCTOBER	**Ch7**: Gravitation, **Ch8:** Mechanical properties of solid. **Ch9:** Mechanical properties of fluid,	**Exp 5:** To determine Young's modulus of elasticity of the material of a given wire. **Act 4:** To observe change of state and plot a cooling curve for molten wax
	NOVEMBER	**Ch10:** Thermal properties of matter. **Ch11:** Thermodynamics **PRE-ANNUAL EXAM BEGINS**	**Exp 6:** To find the force constant of a helical spring by plotting a graph between load and extension. **Act 5:** To observe and explain the effect of heating on a bi-metallic strip.
	DECEMBER	**Ch12:** Kinetic Theory **Ch13:** Oscillations **Pre-Annual Examination for class XI**	**Exp 7:** To study the relation between the length of a given wire and tension for constant frequency using sonometer. **Act 6** - To study the factors affecting the rate of loss of heat of a liquid.
	JANUARY	**Ch14:** Waves	**REVISION**
	FEBRUARY	**TERM-II BEGINS**	

MATHEMATICS
(041)

SUBJECT	MONTH	CHAPTERS	ACTIVITY/PROJECT
MATHEMATICS (041)	**APRIL**	1. Sets 2. Relations & Functions 3. Trigonometric Functions	1. To find the number of subsets of a given set and verify that if a set has n number of elements, then the total number of subsets is 2n. 2. To represent set theoretic operations using Venn diagrams. 3. To identify a relation and a function. 4. To distinguish between a Relation and a Function 5. To verify the relation between the degree measure and the radian measure of an angle.
	MAY	1. Complex Numbers and Quadratic equation 2. Linear Inequalities	1. To interpret geometrically the meaning of $i = \sqrt{-1}$ and its integral powers 2. To verify that the graph of a given inequality, say $5x + 4y - 40 < 0$, of the form $ax + by + c < 0$, $a, b > 0$, $c < 0$ represents only one of the two half planes
	JULY	1. Permutations and Combinations 2. Binomial Theoram	1. To find the number of ways in which three cards can be selected from given five cards. 2. To construct a Pascal's Triangle and to write binomial expansion for a given positive integral exponent
	AUGUST	1. Sequence and Series 2. Straight Lines 3. Conic Sections	1. To obtain formula for the sum of squares of first n- natural numbers. 2. To demonstrate that the Arithmetic mean of two different positive numbers are always greater than the Geometric mean 3. To establish the formula for the sum of the cubes of the first n natural numbers.
	SEPTEMBER	**TERM I BEGINS**	
	OCTOBER	1. Introduction to 3D Geometry 2. Limits and Derivatives	1. To construct different types of conic sections. 2. To construct a parabola. 3. To construct an ellipse using a rectangle. 4. Verification of the geometrical significance of derivative.
	NOVEMBER	1. Statistics 2. Probability **PRE-ANNUAL EXAM BEGINS**	1. To write the sample space, when a die is rolled once, twice--- 2. To write the sample space, when a coin is tossed once, two times, three times, four times.
	DECEMBER	**REVISION**	

CHEMISTRY

(043)

Subject	Month	Chapters	Activity / Project
CHEMISTRY (043)	**April**	Unit –I Some basic concepts of chemistry	Preparation of standard solution of Oxalic acid.
	May	Unit –II Structure of Atom	
	July	Unit –III Classification of Elements Periodicity in properties Unit –VIII Redox Reactions	➢ Learning of Modern Periodic Table using rhyming sentences. ➢ Study of galvanic cell
	August	Unit –XII Organic Chemistry: some basic principles and techniques	➢ Detection of Nitrogen, Sulphur, Chlorine in Organic compounds.
	September	**Half Yearly Examination**	
	October	Unit –IV Chemical bonding and Molecular Structure	Worksheet based on Unit IV
	November	Unit –VI Chemical Thermodynamics **PRE-ANNUAL EXAM BEGINS**	➢ Worksheet based on Thermodynamics ➢ Study the shift in equilibrium between ferric ions and thiocayanate ions by increasing / decreasing the concentration of either of the ions.
	December	Unit –VII Equilibrium	➢ Determination of melting point and boiling point of an organic compound. ➢ Investigatory project on anyone topic given by CBSE.
	January	Unit –XIII Hydrocarbons	**Revision**
	February	**Annual Examination**	

BIOLOGY

(044)

SUBJECT	MONTH	CHAPTERS	CHAPTER	
BIOLOGY (044)	**April**	**The Living World**	**1**	Biodiversity; Need for classification; three domains of life; taxonomy and systematics; concept of species and taxonomical hierarchy; binomial nomenclature
		Biological Classification	**2**	Five kingdom classification; Salient features and classification of Monera, Protista and Fungi into major groups; Lichens, Viruses and Viroids.
	May	**Plant Kingdom**	**3**	Classification of plants into major groups; Salient and distinguishing features and a few examples of Algae, Bryophyta, Pteridophyta, Gymnospermae (Topics excluded – Angiosperms, Plant Life Cycle and Alternation of Generations)
		Animal Kingdom	**4**	Salient features and classification of animals, non-chordates up to phyla level and chordates up to class level (salient features and at a few examples of each category). (No live animals or specimen should be displayed.)
	July	**Morphology of Flowering Plants**	**5**	Morphology of different parts of flowering plants: root, stem, leaf, inflorescence, flower, fruit and seed. Description of family Solanaceae
		Anatomy of Flowering Plants	**6**	Anatomy and functions of tissue systems in dicots and monocots
		Structural Organisation in Animals	**7**	Morphology, Anatomy and functions of different systems (digestive, circulatory,respiratory, nervous and reproductive) of frog.
	August	**Cell-The Unit of Life**	**8**	Cell theory and cell as the basic unit of life, structure of prokaryotic and eukaryotic cells; Plant cell and animal cell; cell envelope; cell membrane, cell wall; cell organelles - structure and function; endomembrane system, endoplasmic reticulum, golgi bodies, lysosomes, vacuoles, mitochondria, ribosomes, plastids, microbodies; cytoskeleton, cilia, flagella, centrioles (ultrastructure and function); nucleus.
		Biomolecules	**9**	Chemical constituents of living cells: biomolecules, structure and function of proteins, carbohydrates, lipids, and nucleic acids; Enzyme - types, properties, enzyme action. (Topics excluded: Nature of Bond Linking Monomers in a Polymer, Dynamic State of Body Constituents Concept of Metabolism, Metabolic Basis of Living, The Living State)

		Cell Cycle and Cell Division	**10**	Cell cycle, mitosis, meiosis and their significance
	September	***Term-1 Examination Begins***		
	October	**Photosynthesis in Higher Plants**	**11**	Photosynthesis as a means of autotrophic nutrition; site of photosynthesis, pigments involved in photosynthesis (elementary idea); photochemical and biosynthetic phases of photosynthesis; cyclic and non-cyclic photophosphorylation; chemiosmotic hypothesis; photorespiration; C3 and C4 pathways; factors affecting photosynthesis.
		Respiration in Plants	**12**	Exchange of gases; cellular respiration - glycolysis, fermentation (anaerobic), TCA cycle and electron transport system (aerobic); energy relations - number of ATP molecules generated; amphibolic pathways; respiratory quotient.
		Plant - Growth and Development	**13**	Seed germination; phases of plant growth and plant growth rate; conditions of growth; differentiation, dedifferentiation and redifferentiation; sequence of developmental processes in a plant cell; plant growth regulators - auxin, gibberellin, cytokinin, ethylene, ABA.
	November	**Breathing and Exchange of Gases**	**14**	Respiratory organs in animals (recall only); Respiratory system in humans; mechanism of breathing and its regulation in humans - exchange of gases, transport of gases and regulation of respiration, respiratory volume; disorders related to respiration - asthma, emphysema, occupational respiratory disorders.
		Body Fluids and Circulation	**15**	Composition of blood, blood groups, coagulation of blood; composition of lymph and its function; human circulatory system - Structure of human heart and blood vessels; cardiac cycle, cardiac output, ECG; double circulation; regulation of cardiac activity; disorders of circulatory system - hypertension, coronary artery disease, angina pectoris, heart failure.
		PRE-ANNUAL EXAM BEGINS		
	December	**Excretory Products and their Elimination**	**16**	Modes of excretion - ammonotelism, ureotelism, uricotelism; human excretory system – structure and function; urine formation, osmoregulation; regulation of kidney function - renin - angiotensin, atrial natriuretic factor, ADH and diabetes insipidus; role of other organs in excretion; disorders - uremia, renal failure, renal calculi, nephritis; dialysis and artificial kidney, kidney transplant.

		Locomotion and Movement	**17**	Types of movement - ciliary, flagellar, muscular; skeletal muscle, contractile proteins and muscle contraction; skeletal system and its functions; joints; disorders of muscular and skeletal systems - myasthenia gravis, tetany, muscular dystrophy, arthritis, osteoporosis, gout.
	January	**Neural Control and Coordination** **Chemical Coordination and Integration**	**18** **19**	Neuron and nerves; Nervous system in humans - central nervous system; peripheral nervous system and visceral nervous system; generation and conduction of nerve impulse Endocrine glands and hormones; human endocrine system - hypothalamus, pituitary, pineal, thyroid, parathyroid, adrenal, pancreas, gonads; mechanism of hormone action (elementary idea); role of hormones as messengers and regulators, hypo - and hyperactivity and related disorders; dwarfism, acromegaly, cretinism, goiter, exophthalmic goitre, diabetes, Addison's disease. **Note: Diseases related to all the human physiological systems to be taught in brief.**
	January & February	***Term 2 Examination Begins***		

ACCOUNTANCY

(055)

SUBJECT	MONTH	CHAPTERS	ACTIVITY/PROJECT
ACCOUNTANCY (055)	April	1. Introduction to Accounting 2. Theory Base Accounting 3. Recording of Transactions-I	Students will identify business transactions from their daily life and record them in the format of Journal and Cash Book.
	May	3. Recording of Transactions-I	Students will collect various receipts , vouchers and invoice as proof for recording transactions.
	July	4. Recording of Transactions-II a) Cash Book b) Purchase Book, Sales Book, Purchase return Book, Sales return book, Journal Proper	Students will be given 20 transactions by their teacher and they will record them in various subsidiary books.
	August	5. Bank Reconciliation Statement	1) Students will visit Bank branch so that they can differentiate in Cash Book and Pass book and prepare an assignment for the same. 2) Students will fill forms for Bills and Promissory Note.
	September	Half-yearly Examination	
	October	7. Depreciation, Provision & Reserves. 8. Trial Balance & Rectification of Errors.	Students will prepare Trial Balance with the help of given case.
	November	9. Financial Statements I **Pre-Annual Examination**	Students will prepare a Comprehensive Project of any Sole Proprietorship Business firm.
	December	10. Financial Statements II	Revision
	January	Accounting from Incomplete records	Students will prepare a PPT stating the difference between Manual Accounting and Computerized Accounting.
	February	Annual Examination	

BUSINESS STUDIES (054)

SUBJECT	MONTH	CHAPTERS	ACTIVITY / PROJECT
BUSINESS STUDIES (054)	**APRIL/MAY**	1. Nature and purpose of business 2. Forms of business organization	▪ Classification of human activity ▪ Classification of business ▪ Branches of commerce with the help of chart Visit any of the business unit to understand nature and scope of business
	JULY	3. Private public and global enterprises 2. Business services	▪ Case study will be given, on the basis of case study, Students will compare Private, Public and global enterprises
	AUGUST	4. Emerging mode of business 5. Social responsibility of business and business ethics	▪ Students will examine and identify different interested group and obligation of business ➢ towards them.
	SEPTEMBER	**REVISION AND HALF YEARLY EXAMINATION**	
	OCTOBER	Sources of Business Finance	
	NOVEMBER	Small Business **Pre-Annual Examination**	Case Study on Seasonal product of State
	DECEMBER	Internal Trade	
	JANUARY	International Business	
	FEBRUARY	**ANNUAL EXAMINATION**	

COMPUTER SCIENCE (083)

Subject	Month	Chapter	Activity
COMPUTER SCINECE (083)	April	Basic computer organization Types of software Operating System	Draw the Logic gates , number conversions
	May	Boolean logic Number System Encoding Schemes	
	July	Intro to Problem-solving Basics of Python programming: Knowledge of data types Operators Types of Errors	Program based on simple expressions, conditions and iterations Program based on String
	August	Expressions, statement, type conversion, and input/output Flow of Control Conditional statements Iterative Statement String	
	September	**Half yearly Examination**	
	October	List Tuples Dictionary	Program based on List, Tuples and Dictionary
	November-December	Introduction to Python modules	
		Digital Footprints, Data Protection, Cyber Crime, Cyber safety, Malware, E-waste management, Information Technology Act (IT Act), Technology and society, Digital Society and Netizen	**PRE-ANNUAL EXAM BEGINS (MID NOVEMBER)**
	January	**Revision**	
	February	**Annual Examination**	

BANKING

(811)

Subject	Month	Chapter	Activity
BANKING (811)	**APRIL**	**Employment skill** Unit 1: Communication Skills-III	
	MAY	**Subject skill** Unit 1: Introduction of Banking	**Practical** 1.Create A Dummy bank space created to show the Bank's functioning by the students.
	JULY	**Employment skill** Unit 2: Self-Management Skills-III **Subject skill** Unit 2: Bankers & customers	**Practical** 1. Poster making and Presentation showing ATM, Passbook Printing Machine, Cash deposit Machine by the students.
	AUGUST	**Employment skill** Unit 3: ICT Skills - III **Subject skill** Unit 3: Employment of Bank Funds	**Practical** 1.Filling the forms available in bank for opening of accounts, pay-in-slip, withdrawal slip etc. 2.Filling of RTGS and NEFT forms by Students in Class.
	SEPTEMBER	**TERM I BEGINS**	
	OCTOBER	**Employment skill** Unit 4: Entrepreneurial Skills-III **Subject skill** Unit 4: Negotiable Instruments	**Activity** 1.Specimen of Debit Card and Credit Card showing its utility and interest charged by Banks.
	NOVEMBER	**Employment skill** Unit 5: Green Skills-II **PRE-ANNUAL EXAM BEGINS**	
	DECEMBER	Sample Papers for discussion.	
	JANUARY	Revision	

HORTICULTURE

(816)

Subject	Month	Chapter	Activity
HORTICULTURE (816)	**APRIL**	**Employment skill** Unit 1: Communication Skills-III	
	MAY	**Subject skill** Unit 1: Introduction to Protected Cultivation	**Practical** 1.Enlist advantages of protected cultivation 2. Enlist factors affecting protected cultivation
	JULY	**Employment skill** Unit 2: Self-Management Skills-III **Subject skill** Unit 2: Types of Protected Structure and its Components.	**Practical** 1. Draw a typical greenhouse and label the parts 2. Collect figures of different components of greenhouse
	AUGUST	**Employment skill** Unit 3 : ICT Skills - III **Subject skill** Unit 3:Preparation of Media and Container for Commercial Cultivation in Greenhouses	
	SEPTEMBER	**TERM I BEGINS**	
	OCTOBER	**Employment skill** Unit 4 : Entrepreneurial Skills-III **Subject skill** Unit 4: Irrigation and Fertigation System	**Activity** 1. Identification of components of drip irrigation 2. Enlist merits and demerits of micro-irrigation
	NOVEMBER	**Employment skill** Unit 5: Green Skills-III	**PRE-ANNUAL EXAM BEGINS**
	DECEMBER	**Subject skill** Unit 5: Greenhouse Operations.	**Activity** 1.Enlist different greenhouse operations 2. Enlist equipment used
	JANUARY	Revision	

ELECTRONICS TECHNOLOGY (820)

Subject	Month	Chapter	Activity
ELECTRONICS TECHNOLOGY (820)	**April**	Chapter 1: Overview of an Atom, Sub Atomic Particles and CRO	**Exp 1** – Study of current and voltage measurement using Ammeter and Voltmeter.
	May	Chapter 1: Overview of an Atom, Sub Atomic Particles and CRO (cont.) Chapter 2: Voltage and Current	**Exp 2** - Study of current and voltage measurement using Galvanometer. **ART INTEGRATED PROJECT** Design of 7 segment display using LED and bread board.
	July	Employability Skills – communication Skill, Self-management Skill	**Exp 3** – Study of current, voltage and resistance measurement using of multi-meter
	August	Chapter 3: Basics of Semiconductor Employability Skills – ICT Skills	**Exp 4** – Study of Half wave rectifier with and without filter circuit.
	September	**HALF YEARLY EXAMINATION BEGINS**	
	October	Chapter 4: Bipolar Junction Transistor	**Exp 5** – Study of V-I Characteristic of Diode.
	November	Chapter 5: Transistor Amplifier and Applications **PRE-ANNUAL EXAM BEGINS**	**Exp 6 -** Study of V-I Characteristic of Zener Diode. And use of Zener Diode as voltage regulator.
	December	Employability Skills – Entrepreneur Skill, Green Skills	**ART INTEGRATED ACTIVITY** MODE: Power point Presentation TOPIC: Working of integrated chips used in various electronic devices
	January	**REVISION**	
	February	**ANNUAL EXAMINATION BEGINS**	

YOGA

(841)

Subject	Month	Chapter	Activity
YOGA (841)	**APRIL**	Unit 1:Communication Skills-III -Introduction to Yoga -Rules and regulations to be followed by yoga practitioners	Practice of Sukshmavyayama
	MAY	Unit 1: Communication Skills-III • Introduction to yogic practices. • Yoga Etymology, definition, Aim, objective and misconception text • Yoga origin, history and development	Practice of Surya Namaskar
	JULY	**Employment Skills** Self-Management Skill-III Unit 2 – Introduction to Yoga Texts – • Introduction and study of Patanjali Yoga Sutra including memorization of selected Sutra • Introduction and study of Bhagavad Gita including memorization of selected Slokas • Introduction of Hata Pradpika. • Introduction and study of Gheranda Samhita.	Practice of Halasana Practice of Pawanmuktasana Practice of Bhujangasana Practice of Shalabhasana
	AUGUST	**Unit 2 – Introduction to Yoga Texts –** • Introduction to Major schools of Yoga (Janan, Yoga Bhakti, Yoga Karma, Patanjali, Hatha) • Introduction to yogic practices (Sukshama Vyayama, Surya Namaskar and Asanas)	ACTIVITY Project on Patanjali Yoga Sutras
	SEPTEMBER	**TERM I BEGINS**	
	OCTOBER	Unit 3 – Yoga for Health Promotion – I • Brief introduction to human body • Role of yoga for health promotion • Yogic attitudes and practices • Holistic approach of yoga towards the health and diseases • Introduction to yoga diet and its relevance and importance in yoga Sadhana • Dincharya and Ritucharya with respect of yogic lifestyle	• Steps of Sithaili Pranayama • Steps of Ujjayai Pranayam • Steps of Paschimottansana
	NOVEMBER	• Meditation • Practice of Nadi Shudhi • Practice of Dhyana Mudra	Practice of Gomukhasana Practice of Vakrasana

			Practice of Ustrasana Practice of Mandukasana Practice of Sasankasana
	MID OF NOVEMBER	Practical Asana, Pranayama, Meditation, Mudras and Bandha Recapitulation	**PRE-ANNUAL EXAM BEGINS**
	DECEMBER	• Meditation • Practice of Nadi Shudhi • Practice of Dhyana Mudra	Practice of Gomukhasana Practice of Vakrasana Practice of Ustrasana