

केंद्रीय विद्यालय संगठन
KENDRIYA VIDYALAYA SANGATHAN
गुवाहाटी संभाग / GUWAHATI REGION



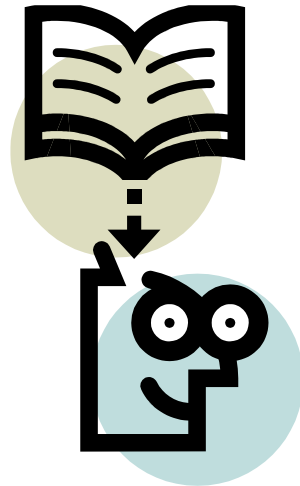
पाठ्यक्रम-विभाजन
उच्च-माध्यमिक अनुभाग
(कक्षा 11 से 12 तक)

सत्र: 2019-20

SPLIT-UP SYLLABUS

(CLASS 11 TO 12)

SESSION: 2019-20



KENDRIYA VIDYALAYA SANGATHAN GUWAHATI REGION
SPLIT OF SYLLABUS (2019-20)
CLASS -XI
SUB: SENGLISH CORE

| SL. No. | Month | Name and Details of Lesson | Details of Chapters | No. of Periods | Period of Class Room Teaching | Tentative No. of working days/Periods |
|---------|--------------------|--------------------------------|---|----------------|-------------------------------|---------------------------------------|
| 1 | JUNE-JULY | Hornbill (Text Book)Prose/Poem | L.1.The portrait of a lady | 3 | 30 | 36 |
| | | | P.1. A Photograph | 2 | | |
| | | | P.2 The Laburnum Top | 2 | | |
| | | Snapshot (supplementary book) | L.1 The summer of the beautiful horse | 4 | | |
| | | Reading and Writing Skills | Reading comprehension | 3 | | |
| | | | Notice | 3 | | |
| | | | Article writing(visual and verbal inputs) | 4 | | |
| | | Grammar | Determiners | 2 | | |
| | | | Fill-ups, error correction & omission | 3 | | |
| ASL | Listening task 1&2 | 4 | | | | |
| 2 | AUGUST | Hornbill (Text Book)Prose/Poem | L.2 We're not afraid to die | 3 | 22 | 23 |
| | | | L-3 Discovering Tut | 3 | | |
| | | Snapshot (supplementary book) | L-2The Address | 3 | | |
| | | Reading and Writing Skills | Poster(Social issues general awareness, commercial issues) | 2 | | |
| | | | Advertisements(Classified and Display-To- let, For-sale ,matrimonial, obituary, Situation vacant etc) | 3 | | |
| | | | Note making and summarizing | 3 | | |
| | | Grammar | Time reference (tenses) | 3 | | |
| | | | Modals | | | |
| ASL | Listening Task | 2 | | | | |
| 3 | SEPTEMBER | Hornbill (Text Book)Prose/Poem | L.4.Landscape of the soul | 4 | 20 | 22 |
| | | Snapshot (supplementary book) | L.3 Ranga's marriage | 4 | | |
| | | Reading and Writing Skills | Letter Writing: Buiseness & Official letters (letters for enquiry,information,complaints) | 6 | | |
| | | Grammar | Voice | 3 | | |
| | | ASL | Speaking & listening skills) | 3 | | |

| | | | | | | |
|-----|--------------------------------------|--------------------------------|--|----|----|----|
| 4 | OCTOBER | Hornbill (Text Book)Prose/Poem | L.5.The ailing planet | 3 | 16 | 17 |
| | | | P.3.The voice of the rain | 2 | | |
| | | Snapshot (supplementary book) | L.4.Albert Einstein at school | 3 | | |
| | | Reading and Writing Skills | Report Writing | 3 | | |
| | | | Letter to the editor | 2 | | |
| | | Grammar | Rearranging jumbled words and phrases | 1 | | |
| ASL | Speaking skill, problem solving task | 2 | | | | |
| 5 | NOVEMBER | Hornbill (Text Book)Prose/Poem | L.6. The Browning Version | 4 | 21 | 24 |
| | | | P.4. Childhood | 2 | | |
| | | Snapshot (supplementary book) | L.5 Mother's Day | 7 | | |
| | | Reading and Writing Skills | Application for a job | 2 | | |
| | | Grammar | Editing | 3 | | |
| | | ASL | Assessment of ASL for Half Yearly | 3 | | |
| 6 | DECEMBER | Hornbill (Text Book)Prose/Poem | L.7. The Adventure | 4 | 15 | 17 |
| | | Snapshot (supplementary book) | L.6. The Ghat of the only world | 4 | | |
| | | Reading and Writing Skills | Speech writing &factual description | 3 | | |
| | | Grammar | Error correction | 2 | | |
| | | ASL | Full practice of ASL | 2 | | |
| 7 | JANUARY | Hornbill (Text Book)Prose/Poem | L8.Silk Road | 3 | 11 | 14 |
| | | Snapshot (supplementary book) | L.7 Birth | 3 | | |
| | | Reading and Writing Skills | Process of creative writing | 2 | | |
| | | Grammar | Grammar revision | 2 | | |
| | | ASL | Assessment of (ASL) for session ending exam | 1 | | |
| 8 | FEBRUARY | Hornbill (Text Book)Prose/Poem | P.5.Father to Son | 2 | 22 | 22 |
| | | Snapshot (supplementary book) | P.8 The tale of melon city | 2 | | |
| | | Reading and Writing Skills | Letters of placing order and sending replies | 3 | | |
| | | | Letter of cancellation | 15 | | |
| | | Revision | | | | |

KENDRIYA VIDYALAYA SANGATHAN, GUWAHATI REGION
SPLIT-UP SYLLABUS (2019-20)
CLASS –XI SUBJECT - PHYSICS (THEORY & PRACTICAL)

| MONTH | W. Day | UNIT & CHAPTER | MARKS | WEIGHTAGE | PERIODS ALLOTTED | PRACTICAL | EXAM (UNIT) TENTATIVE DATE | |
|----------|--------|---|-----------|-----------|------------------|---|---|---|
| JUNE | 10 | UNIT-1 Physical World and Measurement, Chapter-1: Physical World, Chapter-2: Units and Measurements | 23 | 03 | 10 | 10 | 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. | |
| JULY | 16 | UNIT-2 Kinematics, Chapter-3: Motion in a Straight Line, Chapter-4: Motion in a Plane | | 10 | 24 | 24 | 2. To measure diameter of a given wire and thickness of a given sheet using screw gauge. 3. To determine volume of an irregular lamina using screw gauge. | |
| | 10 | UNIT-3 Laws of Motion, Chapter-5: Laws of Motion | | 10 | 14 | 14 | 4. To determine radius of curvature of a given spherical surface by a spherometer. | |
| AUG | 24 | UNIT-4 Work, Energy and Power, Chapter-6: Work, Energy and Power | 17 | 6 | 12 | 12 | 6. To find the weight of a given body using parallelogram law of vectors. 7. Using a simple pendulum, plot its L-T ² graph and use it to find the effective length of second's pendulum. | 1 UT IN AUGUST (SYLLABUS UPTO UNIT- 3) |
| SEPT | 22 | UNIT-5, Motion of System of Particles and Rigid Body, Chapter-7: System of Particles and Rotational Motion UNIT-6: Gravitation (CHP-8) | | 6 | 18 | 18 | 8. 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. | |
| | | UNIT-6: Gravitation (CHP-8) CONTD. | | 05 | 06 | 12 | 9 To find the force constant of a helical spring by plotting a graph between load and extension. 10. To study the variation in volume with pressure for a sample of air at constant temperature by plotting graphs between P and V, and between P and 1/V. | |
| OCT | 12 | UNIT-6: Gravitation (CHP-8) CONTD. | 20 | | 6 | | | |
| | 6 | UNIT 7. Properties of Bulk Matter | | | | 10 | 11. To determine the surface tension of water by capillary rise method. | HALF YEARLY IN OCTOBER 2019 (PRACTICAL) 2ND WEEK OF NOV 2019 |
| NOV | 24 | Contd... Properties of Bulk Matter Revision (Half Yearly Syllabus) | | | 10 | 14 | 24 | 12. To study the relationship between the temperature of a hot body and time by plotting a cooling curve. |
| DEC | 17 | UNIT 8. Thermodynamics | 10 | 6 | 12 | 12 | 13. To study the relation between frequency and length of a given wire under constant tension using sonometer. | |
| | | UNIT 9. Behaviour of Perfect Gas & Kinetic Theory of gases | | 4 | 8 | 8 | 14.. To study the relation between the length of a given wire and tension for constant frequency using sonometer. | |
| JAN | 18 | UNIT 10. Oscillations Chapter-14: Oscillations | 10 | 5 | 18 | 26 | 15. To find the speed of sound in air at room temperature using a resonance tube by two resonance positions. | PT-2 IN JANUARY 2020 (UNIT-7 TO 9) |
| FEB 10TH | 8 | Chapter-15: Waves | | 5 | 08 | | SESSION ENDING (PRACTICAL) FROM 2ND WEEK OF FEB 2012 | |
| | | TOTAL | 70 | 70 | 160 | SESSION ENDING (THEORY) FROM 1ST WEEK OF MARCH 2020 | | |

KENDRIYA VIDYALAYA SANGATHAN GUWAHATI REGION
SPLIT UP SYLLABUS (2019-20)
SUBJECT- BIOLOGY
CLASS-XI

| S.N. | UNIT | TOPICS | PERIODS ALLOTTED | MONTH |
|------|--|--|------------------|----------------------------|
| 1 | Diversity of Living Organisms | The Living World :What is living? Biodiversity; Need for classification; three domains of life; taxonomy and systematics; concept of species and taxonomical hierarchy; binomial nomenclature; tools for study of taxonomy-museums, zoological parks, herbaria, botanical gardens. | 4 | JUNE=24 PDS |
| | | Biological Classification : Five kingdom classification; Salient features and classification of Monera, Protista and Fungi into major groups: Lichens, Viruses and Viroids. | 5 | |
| | | Plant Kingdom :Salient features and classification of plants into major groups - Algae, Bryophyta, Pteridophyta, Gymnospermae and Angiospermae (three to five salient and distinguishing features and at least two examples of each category); Angiosperms - classification upto class, characteristic features and examples. | 8 | |
| | | Animal Kingdom :Salient features and classification of animals non-chordates up to phyla level and chordates up to class level (three to five salient features and at least two examples of each category). (No live animals or specimen should be displayed.) | 8 | |
| 2 | Structural Organisation in Plants and Animals | Morphology of Flowering Plants : Morphology and modifications: Morphology of different parts of flowering plants: root, stem, leaf, inflorescence, flower, fruit and seed (to be dealt along with the relevant experiment of the Practical Syllabus). | 9 | JULY = (26 PDS) |
| | | Anatomy of Flowering Plants : Anatomy and functions of different Tissue systems | 9 | |
| | | Structural Organisation in Animals : Animal tissues: Morphology, anatomy and functions of different systems (digestive, circulatory, respiratory, nervous and reproductive) of an insect (cockroach). (a brief account only) | 8 | |

| | | | | |
|---|-------------------------------------|---|----|--------------------------------------|
| 3 | Cell: Structure and Function | Cell-The Unit of Life: 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, nuclear membrane, chromatin, nucleolus. | 10 | AUGUST 24+SEPT 11 =35 |
| | | Biomolecules : Chemical constituents of living cells: biomolecules, structure and function of proteins, carbohydrates, lipids, nucleic acids, enzymes, types, properties, enzyme action. | 15 | |
| | | Cell Cycle and Cell Division : Cell cycle, mitosis, meiosis and their significance | 10 | |
| 4 | Plant Physiology | Transport in Plants : Movement of water, gases and nutrients; cell to cell transport, Diffusion, facilitated diffusion, active transport; plant-water relations, Imbibition, water potential, osmosis, plasmolysis; long distance transport of water - Absorption, apoplast, symplast, transpiration pull, root pressure and guttation; transpiration, opening and closing of stomata; Uptake and translocation of mineral nutrients - Transport of food, phloem transport, massflow hypothesis; diffusion of gases. | 8 | SEPT 10 +OCT 18 + NOV 12 = 40 |
| | | Mineral Nutrition : Essential minerals, macro- and micronutrients and their role; deficiency symptoms; mineral toxicity; elementary idea of hydroponics as a method to study mineral nutrition; nitrogen metabolism, nitrogen cycle, biological nitrogen fixation. | 6 | |
| | | Photosynthesis in Higher Plants : Photosynthesis as a mean 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. | 10 | |
| | | Respiration in Plants : 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. | 10 | |
| | | Plant - Growth and Development : 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; growth regulators - auxin, gibberellin, cytokinin, ethylene, ABA; seed dormancy; vernalisation; photoperiodism. | 6 | |

| | | | | |
|---|------------------|--|----|-------------------|
| 5 | Human Physiology | Digestion and Absorption : Alimentary canal and digestive glands, role of digestive enzymes and gastrointestinal hormones; Peristalsis, digestion, absorption and assimilation of proteins, carbohydrates and fats; calorific values of proteins, carbohydrates and fats; egestion; nutritional and digestive disorders - PEM, indigestion, constipation, vomiting, jaundice, diarrhoea. | 8 | NOV , DEC AND JAN |
| | | Breathing and Exchange of Gases : 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. | 8 | |
| | | Body Fluids and Circulation: 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. | 8 | |
| | | Excretory Products and Their Elimination : 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 - uraemia, renal failure, renal calculi, nephritis; dialysis and artificial kidney. | 6 | |
| | | Locomotion and Movement : Types of movement - ciliary, flagellar, muscular; skeletal muscle- contractile proteins and muscle contraction; skeletal system and its functions; joints; disorders of muscular and skeletal system - myasthenia gravis, tetany, muscular dystrophy, arthritis, osteoporosis, gout. | 6 | |
| | | Neural Control and Coordination: Neuron and nerves; Nervous system in humans - central nervous system; peripheral nervous system and visceral nervous system; generation and conduction of nerve impulse; reflex action; sensory perception; sense organs; elementary structure and functions of eye and ear. | 10 | |
| | | Chemical Coordination and Integration : 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 goiter, diabetes, Addison's disease. | 5 | |
| | | REVISION OF ENTIRE SYLLABUS AND DIFFICULT TOPICS | | FEB |

KENDRIYA VIDYALAYA SANGATHAN, GUWAHATI REGION
SPLIT-UP SYLLABUS
SUB: CHEMISTRY
CLASS XI

| Sl. No. | Month | Unit | Distribution of syllabus (Name of unit and detailed Split up) | No. of Pds/Days |
|-------------------|----------|------|--|-----------------|
| 1 | JUNE | I | Some Basic Concepts of Chemistry: General Introduction: Importance and scope of chemistry. Nature of matter, laws of chemical combination, Dalton's atomic theory: concept of elements, atoms and molecules. Atomic and molecular masses, mole concept and molar mass, percentage composition, empirical and molecular formula, chemical reactions, stoichiometry and calculations based on stoichiometry. | 10 |
| 2 | JULY | II | Structure of Atom : Bohr's model and its limitations, concept of shells and subshells, dual nature of matter and light, de Broglie's relationship, Heisenberg uncertainty principle, concept of orbitals, quantum numbers, shapes of s, p and d orbitals, rules for filling electrons in orbitals - Aufbau principle, Pauli's exclusion principle and Hund's rule, electronic configuration of atoms, stability of half filled and completely filled orbitals. | 14 |
| 3 | JULY | III | Classification of Elements and Periodicity in Properties : Modern periodic law and the present form of periodic table, periodic trends in properties of elements - atomic radii, ionic radii, inert gas radii, ionization enthalpy, electron gain enthalpy, electronegativity, valency. Nomenclature of elements with atomic number greater than 100. | 6 |
| 4 | JULY-AUG | IV | Chemical Bonding and Molecular structure : Valence electrons, ionic bond, covalent bond, bond parameters, Lewis structure, polar character of covalent bond, covalent character of ionic bond, valence bond theory, resonance, geometry of covalent molecules, VSEPR theory, concept of hybridization, involving s, p and d orbitals and shapes of some simple molecules, molecular orbital theory of homonuclear diatomic molecules (qualitative idea only), hydrogen bond. | 14 |
| 1st Periodic Test | | | | |
| 5 | AUGUST | V | States of Matter: Gases and Liquids Three states of matter, intermolecular interactions, types of bonding, melting and boiling points, role of gas laws in elucidating the concept of the molecule, Boyle's law, Charles law, Gay Lussac's law, Avogadro's law, ideal behaviour, empirical derivation of gas equation, Avogadro's number, ideal gas equation. Deviation from ideal behaviour, liquefaction of gases, critical temperature, kinetic energy and molecular speeds (elementary idea), Liquid State- vapour pressure, viscosity and surface tension (qualitative idea only, no mathematical derivations) | 12 |

| | | | | |
|----|---------------|------|---|----|
| 6 | AUGUST - SEPT | VI | Chemical Thermodynamics Concepts of System and types of systems, surroundings, work, heat, energy, extensive and intensive properties, state functions. First law of thermodynamics - internal energy and enthalpy, heat capacity and specific heat, measurement of U and H, Hess's law of constant heat summation, enthalpy of bond dissociation, combustion, formation, atomization, sublimation, phase transition, ionization, solution and dilution. Second law of Thermodynamics (brief introduction) Introduction of entropy as a state function, Gibb's energy change for spontaneous and nonspontaneous processes, criteria for equilibrium. Third law of thermodynamics (brief introduction). | 13 |
| 7 | SEPT | VII | Equilibrium : Equilibrium in physical and chemical processes, dynamic nature of equilibrium, law of mass action, equilibrium constant, factors affecting equilibrium - Le Chatelier's principle, ionic equilibrium- ionization of acids and bases, strong and weak electrolytes, degree of ionization, ionization of poly basic acids, acid strength, concept of pH, Henderson Equation, hydrolysis of salts (elementary idea), buffer solution, solubility product, common ion effect (with illustrative examples). | 12 |
| 8 | | | MID TERM EXAM | |
| 9 | NOV | VIII | Redox Reactions : Concept of oxidation and reduction, redox reactions, oxidation number, balancing redox reactions, in terms of loss and gain of electrons and change in oxidation number, applications of redox reactions. | 4 |
| 10 | NOV | IX | Hydrogen : Position of hydrogen in periodic table, occurrence, isotopes, preparation, properties and uses of hydrogen, hydrides-ionic covalent and interstitial; physical and chemical properties of water, heavy water, hydrogen peroxide - preparation, reactions and structure and use; hydrogen as a fuel. | 6 |
| 11 | NOV | X | S-Block Elements (Alkali and Alkaline Earth Metals) : Group 1 and Group 2 Elements , General introduction, electronic configuration, occurrence, anomalous properties of the first element of each group, diagonal relationship, trends in the variation of properties (such as ionization enthalpy, atomic and ionic radii), trends in chemical reactivity with oxygen, water, hydrogen and halogens, uses. Preparation and Properties of Some Important Compounds : Sodium Carbonate, Sodium Chloride, Sodium Hydroxide and Sodium Hydrogencarbonate, Biological importance of Sodium and Potassium. Calcium Oxide and Calcium Carbonate and their industrial uses, biological importance of Magnesium and Calcium. | 6 |

| | | | | |
|----|-----------|------|---|----|
| 12 | NOV | XI | <p>Some p -Block Elements :General Introduction to p -Block Elements Group 13 Elements: General introduction, electronic configuration, occurrence, variation of properties, oxidation states, trends in chemical reactivity, anomalous properties of first element of the group, Boron - physical and chemical properties, some important compounds, Borax, Boric acid, Boron Hydrides, Aluminium: Reactions with acids and alkalis, uses. Group 14 Elements: General introduction, electronic configuration, occurrence, variation of properties, oxidation states, trends in chemical reactivity, anomalous behaviour of first elements. Carbon-catenation, allotropic forms, physical and chemical properties; uses of some important compounds: oxides. Important compounds of Silicon and a few uses: Silicon Tetrachloride, Silicones, Silicates and Zeolites, their uses.</p> | 8 |
| 13 | DEC | XII | <p>Organic Chemistry -Some Basic Principles and Technique .General introduction, methods of purification, qualitative and quantitative analysis, classification and IUPAC nomenclature of organic compounds. Electronic displacements in a covalent bond: inductive effect, electromeric effect, resonance and hyper conjugation. Homolytic and heterolytic fission of a covalent bond: free radicals, carbocations, carbanions, electrophiles and nucleophiles, types of organic reactions.</p> | 12 |
| 14 | DEC - JAN | XIII | <p>Hydrocarbons : Classification of Hydrocarbons Aliphatic Hydrocarbons: Alkanes - Nomenclature, isomerism, conformation (ethane only), physical properties, chemical reactions including free radical mechanism of halogenation, combustion and pyrolysis. Alkenes - Nomenclature, structure of double bond (ethene), geometrical isomerism, physical properties, methods of preparation, chemical reactions: addition of hydrogen, halogen, water, hydrogen halides (Markownikov's addition and peroxide effect), ozonolysis, oxidation, mechanism of electrophilic addition. Alkynes - Nomenclature, structure of triple bond (ethyne), physical properties, methods of preparation, chemical reactions: acidic character of alkynes, addition reaction of - hydrogen, halogens, hydrogen halides and water. Aromatic Hydrocarbons: Introduction, IUPAC nomenclature, benzene: resonance, aromaticity, chemical properties: mechanism of electrophilic substitution. Nitration, sulphonation, halogenation, Friedel Craft's alkylation and acylation, directive influence of functional group in monosubstituted benzene. Carcinogenicity and toxicity.</p> | 12 |
| 15 | JAN | XIV | <p>Environmental Chemistry Environmental pollution - air, water and soil pollution, chemical reactions in atmosphere, smog, major atmospheric pollutants, acid rain, ozone and its reactions, effects of depletion of ozone layer, greenhouse effect and global warming- pollution due to industrial wastes, green chemistry as an alternative tool for reducing pollution, strategies for control of environmental pollution.</p> | 6 |

Note: Total periods/days allotted as per possible working days during academic session

KENDRIYA VIDYALAYA SANGTHAN GUWAHATI REGION

SPLIT-UP SYLLABUS

SESSION 2019-20

SUBJECT: MATHEMATICS

CLASS - XI

| S.No. | CHAPTERS | MONTHS | TENTATIVE No OF PERIODS REQUIRED | TENTATIVE NO. OF WORKING DAYS |
|--------------|---|---------------|---|--|
| 1 | Sets | JUNE/JULY | 45 | 10+26=36 |
| 2 | Relations & Functions | | | |
| 3 | Trigonometric Functions | | | |
| 4 | Principle of Mathematical Induction | AUGUST | 30 | 23 |
| 5 | Complex Numbers and Quadratic Equations | | | |
| 6 | Linear Inequalities | | | |
| 7 | Permutations and Combinations | SEPTEMBER | 30 | 22 |
| 8 | Binomial Theorem | | | |
| 9 | Sequence and Series | SEP/OCTOBER | 15 | 17 |
| | HALF YEARLY | | | |
| 10 | Straight Lines | NOVEMBER | 32 | 24 |
| 11 | Conic Sections | | | |
| 12 | Introduction to Three-dimensional Geometry | DECEMBER | 22 | 17 |
| 13 | Limits and Derivatives | | | |
| 14 | Mathematical Reasoning | | | |
| 15 | Statistics | JANUARY | 15 | 13 |
| 16 | Probability | FEBRUARY | 15 | 23 |
| | Revision | | | |
| | Conduct of Practical Exam for Internal Assessment | | | |

KENDRIYA VIDYALAYA SANGATHAN, GUWAHATI REGION
SPLIT –UP SYLLABUS
SUBJECT: BIOTECH
CLASS: XI
SESSION: 2019-2020

| SI No | Month | UNIT | No Of Periods | Chapter | Periods Alloted | Marks Alloted | Practicals |
|-------|----------------------|--------------------------------------|---------------|---|-----------------|---------------|--|
| 1 | June July | Biotechnology An Overview | 20 | Biotechnology- An Overview | 20 | 5 | 1. Recording practical results and safety rules in the laboratory 2. Preparation of buffers and pH determination 3. Isolation of Milk Protein 4. Preparation of bacterial growth medium 5. Determination of bacterial growth curve |
| 2 | July August | Molecules of Life | 50 | Biomolecules- Building Blocks | 25 | 20 | |
| | August September | | | Macromolecules- Structure and Function | 25 | | |
| 3 | September October | Genetics and Molecular Biology | 50 | Concepts of Genetics | 25 | 20 | |
| | November | | | Genes and Genomes structure and Function | 25 | | |
| 4 | November December | Cells and Organisms | 60 | Basic Unit of Life | 30 | 25 | |
| | January February | | | Cell Growth and Development | 30 | | |

KENDRIYA VIDYALAYA SANGATHAN, GUWAHATI REGION

SPLIT-UP SYLLABUS SUB: COMPUTER SCIENCE (083) CLASS - XI (NEW SYLLABUS) SESSION 2019-20

DISTRIBUTION OF MARKS

| UNIT | UNIT NAME | MARKS |
|------|--|------------|
| 1 | Computer System and Organization | 10 |
| 2 | Programming and Computational Thinking | 35 |
| 3 | Data Management | 15 |
| 4 | Society, Law and Ethics | 10 |
| 5 | Practicals | 30 |
| | TOTAL | 100 |

MONTH- WISE DISTRIBUTION

| Month | Topics to be covered | Th. | Pr. |
|-----------|---|-----|-----|
| June-July | <ul style="list-style-type: none">• Unit 1: Computer Systems and Organization Basic computer organisation: description of a computer system and mobile system, CPU, memory, hard disk, I/O, battery.• Types of software: application, System, utility.• Memory Units: bit, byte, MB, GB, TB, and PB.• Boolean logic: OR, AND, NAND, NOR, XOR, NOT, truth tables, De Morgan's laws• Information representation: numbers in base 2, 8, 16, binary addition• Strings: ASCII, UTF8, UTF32, ISCII (Indian script code), Unicode• Basic concepts of Flowchart• Concept of Compiler & Interpreter• Running a program: Notion of an operating system, how an operating system runs a program, idea of loading, operating system as a resource manager.• Concept of cloud computing, cloud (public/private), introduction to parallel computing. | 30 | 25 |
| August | <p>Unit 2: Computational Thinking and Programming</p> <ul style="list-style-type: none">• Basics of Computational Thinking: Decomposition, Pattern Recognition/ Data representation, Generalization/ Data Abstraction and algorithm.• Familiarization with the basics of Python programming: a simple "hello world" program, process of writing a program (Interactive & Script mode), running it, and print statements; simple data-types: integer, float, string• Features of Python, Python Character Set, Token & Identifiers, Keywords,• Literals, Delimiters, operators.• Comments: (Single line & Multiline/ Continuation statements), Clarity &• Simplification of expression.• Introduce the notion of a variable, and methods to manipulate it (concept of Lvalue and R-value even if not taught explicitly).• Knowledge of data types and operators: accepting input from the console, assignment statement, expressions, operators and their precedence.• Operators & types: Binary operators-Arithmetic, Relational operators, Logical Operators, Augmented Assignment operators. | 25 | 25 |

| | | | |
|------------------|--|----|----|
| September | <ul style="list-style-type: none"> • Conditional statements: if, if-else, if-elif-else; simple programs: e.g.: absolute value, sort 3 numbers, and divisibility. • Notion of iterative computation and control flow: for(range(),len()), while, flowcharts, suggested programs: interest calculation and factorials, etc. • Idea of debugging: errors and exceptions; debugging: pdb, break points. | 25 | 20 |
| October | HALF YEARLY EXAMINATION | | |
| October | <ul style="list-style-type: none"> • Lists, tuples and dictionary: finding the maximum, minimum, mean; linear search on list/tuple of numbers, and counting the frequency of elements in a list using a dictionary. Introduce the notion of accessing elements in a collection using numbers and names. | 10 | 06 |
| November | <ul style="list-style-type: none"> • Sorting algorithm: bubble and insertion sort; count the number of operations while sorting. • Strings: Traversing, compare, concat, substring. • Introduction to Python modules: Importing math (sqrt, cell, floor, pow, fabs, sin, cos, tan, random (random, randint, randrange), statistics (mean, median, mode) modules. | 20 | 10 |
| December | <p>Unit 3: Data Management</p> <ul style="list-style-type: none"> • Relational databases: Concept of a database, relations, attributes and tuples, keys- candidate key, primary key, alternate key, foreign key; Degree and cardinality of a table. • Use SQL – DDL/ DML commands to CREATE TABLE, INSERT INTO, UPDATE TABLE, DELETE FROM, ALTER TABLE, MODIFY TABLE, DROP TABLE, keys, and foreign keys; to view content of a table: SELECT-FROMWHERE-ORDER BY along with BETWEEN, IN, LIKE, (Queries only on single table) • Aggregate functions – MIN,MAX,AVG,COUNT,SUM • Basics of NoSQL databases. | 30 | 24 |
| January | <p>UNIT 4: Society , Law and Ethics - Cyber Safety</p> <ul style="list-style-type: none"> • Cyber safety: safely browsing the web, identity protection, confidentiality, social networks, cyber trolls and bullying • Appropriate usage of social networks: spread of rumours, and common social networking sites (Twitter, LinkedIn, and Facebook) and specific usage rules. • Safely accessing web sites: adware, malware, viruses, Trojans • Safely communicating data: secure connections, eavesdropping, phishing and identity verification. | 10 | |
| Feb | Revision, Project Work , Session Ending Practical Examination | | |

PRACTICAL WORK CLASS – XI : COMPUTER SCIENCE (083)

DISTRIBUTION OF MARKS

| S.No. | UNIT NAME | MARKS |
|----------|--|-------|
| 1 | Lab Test (12 marks) | |
| | Python programs to test PCT (60% logic + 20% documentation +20% code quality) | 8 |
| | SQL program (at least 4 queries) | 4 |
| 2 | Report File + viva (10 marks) | |
| | Report file: Minimum 20 Python programs (PCT + DH) and at least 8 SQL commands. | 7 |
| | Viva voce (based on the report file) | 3 |
| 3 | Project Work (that uses most of the concepts that have been learnt) Project may be allotted to group of 2-3 students. | 8 |

KENDRIYA VIDYALAYA SANGATHAN, GUWAHATI REGION
SPLIT - UP SYLLABUS (2019-20)
CLASS –XI
SUBJECT - ACCOUNTANCY

| Month | Tentative Working days | Unit and Chapter | Period allotted |
|--|------------------------|---|-----------------|
| PART A : Financial Accounting -I | | | |
| June | 10 | UNIT - I : Theoretical Framework Introduction to Accounting | 11 |
| July | 26 | Theory base of Accounting | 14 |
| | | UNIT – II : Accounting process: Recording of transactions (up to journal) | 30 |
| August | 23 | Recording of transactions (till subsidiary books up to 15 th Aug) | |
| | | Bank reconciliation statement Preparation of Ledger | |
| September | 22 | Preparation Trial balance. | 20 |
| | | Depreciation ,Provision and reserve | |
| October | 17 | Bills of Exchange | 20 |
| | | Rectification of Errors | 15 |
| PART B : Financial Accounting -II | | | |
| November | 24 | UNIT - III : Financial statement of sole proprietorship with Complete record (without adjustment) up to 20th Nov | 60 |
| December+ January | 17+14 | Financial statement of sole proprietorship with Complete record (with adjustment) and Incomplete Record(Single entry system) | |
| February | 24 | Computers In accounting and revision work | 20 |
| | | Project work as Per CBSE guidelines | 30 |
| March | ---- | Revision work and SESSION ENDING EXAM | |
| Total | | | 240 |

** Working Days are Tentative

SYLLABUS FOR PERIODIC TEST/ HY & SE EXAM

(CLASS –XI : SUBJECT – ACCOUNTANCY)

| SL.NO. | NAME OF THE EXAM. | TOPICS TO BE COVERED | WEIGHTAGE OF MARKS |
|---------------|--------------------------|--|---------------------------|
| 1 | PERIODIC TEST-I | 1.Introduction to Accounting 2.Theory base of Accounting | 50 |
| | | 3 .Recording of Business Transactions | |
| 2 | HALF YEARLY EXAM | 1.Introduction to Accounting 2.Theory base of Accounting | 80 |
| | | 3 .Recording of Business Transactions. | |
| | | 4. Bank Reconciliation Statement | |
| | | 5.Depreciation, Provision and Reserves | |
| | | 6.Trial Balance | |
| 3 | PERIODIC TEST-II | 1.Accounting for Bills of Exchange 2.Rectification of Errors 3.Financial Statements of Sole Proprietorship.(Without adjustments) | 50 |
| 4 | SESSION ENDING EXAM | All Units/Chapters as per Split Up Syllabus and Marks Distribution of CBSE | 80 |

KENDRIYA VIDYALAYA SANGATHAN, GUWAHATI REGION

SPLIT-UP SYLLABUS

SESSION 2019-20

CLASS – XI

SUBJECT- BUSINESS STUDIES

| SL. NO. | MONTH | WORKING DAYS** | CHAPTERS TO BE COVERED | PERIODS REQUIRED |
|---------------------|-------------------|-----------------------|---|-------------------------|
| 1 | June & July | 36 | 1. Nature and Purpose of Business 2 .Forms of Business Organizations | 22 26 |
| 2 | August | 23 | 3. Public, Private and Global Enterprises | 22 |
| 3 | September | 22 | 4. Business Services 5 .Emerging Modes of Business | 34 |
| 4 | October | 17 | 6 .Social Responsibility of Business and Business Ethics 7 .Sources of Business Finance(contd.) | 16 |
| 5 | November | 24 | 7 .Sources of Business Finance | 30 |
| 6 | December | 17 | 8 .Small Business | 16 |
| 7 | January | 14 | 9. Internal Trade 10 .International Business (TO BE CONTINUED) | 30 06 |
| 8 | February | 24 | 10. International Business PROJECT WORK AND REVISION. | 08 |
| PROJECT WORK | | | | |
| 9 | March | ----- | Revision and Session Ending Exam | TOTAL SYLLABUS |

** Working days are tentative

SYLLABUS FOR PERIODIC TEST/ HY & SE EXAM

(CLASS –XI: SUBJECT – BUSINESS STUDIES)

| SL.NO. | NAME OF THE EXAM. | TOPICS TO BE COVERED | WEIGHTAGE OF MARKS |
|---------------|--------------------------|--|---------------------------|
| 1 | PERIODIC TEST-I | 1. Nature and Purpose of Business | 50 |
| | | 2 .Forms of Business Organizations | |
| 2 | HALF YEARLY EXAM | 1. Nature and Purpose of Business | 80 |
| | | 2 .Forms of Business Organizations | |
| | | 3. Public, Private and Global Enterprises | |
| | | 4. Business Services | |
| | | 5 .Emerging Modes of Business | |
| | | 6 .Social Responsibility of Business and Business Ethics | |
| 3 | PERIODIC TEST-II | 7. Sources of Business Finance 8 . Small Business | 50 |
| | | 9 .Internal Trade | |
| 4 | SESSION ENDING EXAM | All Units/Chapters as per Split Up Syllabus and Marks Distribution of CBSE | 80 |

KENDRIYA VIDYALAYA SANGATHAN, GUWAHATI REGION**SPLIT-UP SYLLABUS****SUB: INFORMATICS PRACTICES (065)****CLASS - XI (NEW SYLLABUS)****(SESSION 2019-20)****DISTRIBUTION OF MARKS**

| UNIT | UNIT NAME | MARKS |
|------|---------------------------------|------------|
| 1 | Introduction of Computer System | 5 |
| 2 | Introductory Python Programming | 30 |
| 3 | Data Handling | 10 |
| 4 | Data Management | 15 |
| 5 | Society, Law and Ethics | 10 |
| 6 | Practicals | 30 |
| | TOTAL | 100 |

MONTH- WISE DISTRIBUTION

| Month | Topics to be covered | Th. | Pr. |
|-----------|--|-----|-----|
| June-July | Unit 1: Introduction of Computer System <ul style="list-style-type: none">Basic computer organisation: Computer system – I/O Devices, CPU, memory, hard disk, battery, power, transition from a calculator to a computer and further to smart devices.Trouble shooting with parts of computer and basic operations of operating systemBasic concept of Data representation: Binary, ASCII, Unicode | 30 | 20 |
| | Unit 2: Introduction Python Programming <ul style="list-style-type: none">Familiarization with the basic of Python programming: a simple "hello world" program, process of writing a program, running it, and print statements; simple data-types: integer, float, string. Introduce the notion of variable, and methods to manipulate it (concept of L-value and R-value even if not taught explicitly). Tokens - keywords, identifiers, Literals, Delimiters. Knowledge of data type and operators: accepting input from the console, assignment statement, expressions, operators (assignment, arithmetic, relational and logical) and their precedence. | | |
| August | <ul style="list-style-type: none">Conditional statements: if, if-else, if-elif-else; simple programs: e.g.: absolute value, sort 3 numbers, divisibility.Notion of iterative computation and control flow: for (range() , len()), while, flowcharts.Suggested programs: finding average and grade for given marks, amount calculation for given cost-qty-discount, perimeter-wise/ area-wise cost calculation, interest calculation, profit-loss, EMI, tax calculation (example from GST/Income Tax). | 20 | 20 |

| | | | |
|-----------|--|----|----|
| September | <ul style="list-style-type: none"> List and dictionary: finding the maximum, minimum, mean; linear search on a list of numbers, and counting the frequency of elements in a list using a dictionary. Text handling: compare, concat, and substring operations (without using string module). | 20 | 20 |
| October | HALF YEARLY EXAMINATION | | |
| | <ul style="list-style-type: none"> Introduction to Python modules: importing math (sqrt, ceil, floor, pow, fabs), random (random, randint, randrange), statistics (mean, median) modules. | 10 | 05 |
| Nov | Unit 3: Data Handling <ul style="list-style-type: none"> Numpy 1D array, 2D array Arrays: slices, joins, and subsets. Arithmetic operations on 2D arrays. | 20 | 15 |
| December | Unit 4: Data Management <ul style="list-style-type: none"> Relational databases: Concept of a database, relations, attributes and tuples, keys - candidate key, primary key, alternate key, foreign key; Degree and Cardinality of a table. Use SQL - DDL/DML commands to CREATE TABLE, INSERT INTO, UPDATE TABLE, DELETE FROM, ALTER TABLE, MODIFY TABLE, DROP TABLE, keys, and foreign keys; to view content of a table: SELECT-FROM-WHERE-ORDER BY alongwith BETWEEN, IN, LIKE. (Queries only on single table) Aggregate Functions : MIN , MAX, AVG, COUNT, SUM | 30 | 20 |
| January | Unit 5: Society, Law and Ethics <ul style="list-style-type: none"> Cyber safety: safely browsing the web, identity protection, confidentiality, social networks, netiquettes, digital footprint, cyber trolls and bullying. Appropriate usage of social networks: spread of rumours, and common social networking sites (Twitter, LinkedIn, and Facebook) and specific usage rules. Safely accessing web sites: adware, malware, viruses, Trojans. Safely communicating data: secure connections, eavesdropping, and phishing and identity verification. | 10 | |
| Feb. | Revision, Project Work , Session Ending Practical Examination | | |

PRACTICAL WORK CLASS – XI : INFORMATICS PRACTICES (065)

DISTRIBUTION OF MARKS

| S.No. | UNIT NAME | MARKS |
|----------|---|-------|
| 1 | Lab Test (15 marks) | |
| | Problem solving using Arithmetic operators, conditional statement & Iteration using Python (60% logic + 20% documentation +20% code quality) | 6 |
| | Problem solving using NumPy | 4 |
| | SQL program (at least 5 queries) | 5 |
| 2 | Report File + viva (10 marks) | |
| | Report file: Minimum 20 Python programs (PCT + DH) and at least 20 SQL queries | 6 |
| | Viva voce (based on the report file) | 4 |
| 3 | Project Work (that uses most of the concepts that have been learnt) | 5 |

KENDRIYA VIDYALAYA SANGATHAN, GUWAHATI REGION

SPLIT -UP SYLLABUS (TERM-I)

SESSION: 2019-2020

CLASS: XII

SUBJECT: POLITICAL SCIENCE

| Units | | Periods: 220 | Marks: 100 | MONTH |
|--|--|-----------------|---------------|-------------|
| Part A: Indian Constitution at work | | | | |
| 1 | Constitution: Why and How and Philosophy of the Constitution | 17 | 12 | June |
| 2 | Rights in the Indian Constitution | 16 | | July |
| 3 | Election and Representation | 11 | 10 | July |
| 4 | The Executive | 11 | | July |
| 5 | The Legislature | 11 | 10 | Aug |
| 6 | The Judiciary | 11 | | Aug |
| 7 | Federalism | 11 | 10 | Sept |
| 8 | Local Governments | 11 | | Sept |
| 9 | Constitution as a living document | 11 | 8 | Sept |
| | Total | 110 | 50 | |
| Part B: Political Theory | | | | |
| 10 | Political Theory : An Introduction | 10 | 10 | Oct |
| 11 | Freedom | 11 | | Oct |
| 12 | Equality | 11 | 10 | Nov |
| 13 | Social Justice | 12 | | Nov |
| 14 | Rights | 11 | 10 | Dec |
| 15 | Citizenship | 11 | | Dec |
| 16 | Nationalism | 11 | 10 | Jan |
| 17 | Secularism | 11 | | Jan |
| 18 | Peace | 11 | 10 | Feb |
| 19 | Development | 11 | | Feb |
| | Total | 110 | 50 | |

केन्द्रीय विद्यालय गुवाहाटी संभाग

पाठ्यक्रम –विभाजन

कक्षा –11

विषय –हिन्दी (केंद्रिक)

सत्र – 2018—19

| क्र.संख्या | माह | कालांश | पुस्तक | पाठ /अध्याय |
|----------------------|---------|--------|---|--|
| 01 02 03 | जून | 10 | अपठित बोध रचनात्मक लेखन आरोह -1 | अपठित गद्यांश निबंध लेखन पत्र लेखन जन संचार माध्यम कबीर के पद (पद्य) नमक का दरोगा (गद्य) |
| 04 05 06 07 | जुलाई | 26 | अपठित बोध रचनात्मक लेखन आरोह -1 वितान -1 | अपठित पद्यांश निबंध लेखन पत्र लेखन फ़ीचर मीरा के पद (पद्य) मियाँ नसीरुद्दीन (गद्य) भारतीय गायिकाओं में बेजोड़ : लता मंगेशकर |
| 08 09 10 11 | अगस्त | 23 | रचनात्मक लेखन आरोह -1 वितान -1 | पत्रकारिता (जनसंचार माध्यम) वे आँखें (पद्य) विदाई संभाषण (गद्य) राजस्थान की रजत बूंदें |
| 12 13 | सितंबर | 22 | रचनात्मक लेखन आरोह -1 | जन संचार माध्यम निबंध लेखन घर की याद (पद्य) चंपा काले –काले अक्षर नहीं चीन्हती (पद्य) गलता लोहा (गद्य) स्पीती में बारिश (गद्य) |
| 14 15 16 17 | अक्टूबर | 17 | अपठित बोध रचनात्मक लेखन आरोह -1 | अपठित (गद्य) पत्रकारिता (जनसंचार) गजल (पद्य) रजनी (गद्य) मौखिक परीक्षा (श्रवण व वाचन कौशल) मध्य सत्र –परीक्षा के लिए अभ्यास कार्य |

| | | | | |
|----------------------------|--------|----|--------------------------|---|
| 18 19 20 | नवंबर | 24 | रचनात्मक लेखन आरोह -1 | आलेख हे भूख मत मचल (पद्य) जामुन का पेड़ (गद्य) |
| 21 22 | दिसंबर | 17 | आरोह -1 वितान -1 | सबसे खतरनाक (पद्य) भारत माता (गद्य) आलो-आंधारि द्वितीय आवर्ती परीक्षा के लिए अभ्यास कार्य) |
| 23 24 25 26 27 | जनवरी | 14 | रचनात्मक लेखन आरोह -1 | द्वितीय आवर्ती -परीक्षा (प्रथम सप्ताह) फ़ीचर लेखन आलेख लेखन आओ , मिलकर बचाएँ (पद्य) आत्मा का ताप (गद्य) मौखिक परीक्षा (श्रवण व वाचन कौशल) अभ्यास कार्य |
| 28 | फरवरी | 24 | | पूर्व सत्रांत परीक्षा अभ्यास कार्य |

KENDRIYA VIDYALAYA SANGATHAN, GUWAHATI REGION
SPLIT-UP SYLLABUS
SUBJECT- ECONOMICS
SESSION 2019-20
CLASS- XI

| S. NO. | NAME OF THE CHAPTER | NO. OF PERIODS REQUIRED | TENTATIVE NO. OF WORKING DAYS | MONTHS |
|--------|--|-------------------------|-------------------------------|--------|
| 1 | <p>Introduction: What is Economics? Meaning, scope, functions and importance of statistics in Economics</p> <p>Unit 2: Collection, Organisation and Presentation of data Collection of data - sources of data - primary and secondary; how basic data is collected, with concepts of Sampling; Sampling and Non-Sampling errors; methods of collecting data; some important sources of secondary data: Census of India and National Sample Survey Organisation. Organisation of Data: Meaning and types of variables; Frequency Distribution.</p> | 10 | 10 | JUN |
| 2 | <p>Presentation of Data: Tabular Presentation and Diagrammatic Presentation of Data: (i) Geometric forms (bar diagrams and pie diagrams), (ii) Frequency diagrams (histogram, polygon and ogive) and (iii) Arithmetic line graphs (time series graph).</p> <p>Statistical Tools and Interpretation (For all the numerical problems and solutions, the appropriate economic interpretation may be attempted. This means, the students need to solve the problems and provide interpretation for the results derived.)</p> <p>Measures of Central Tendency- mean (simple and weighted), median and mode</p> | 25 | 26 | JULY |
| 3 | <p>Measures of Dispersion - absolute dispersion (range, quartile deviation, mean deviation and standard deviation); relative dispersion (co-efficient of range, co-efficient of quartile-deviation, co-efficient of mean deviation, co-efficient of variation); Lorenz Curve: Meaning, construction and its application.</p> <p>Introductory Microeconomics Introduction Meaning of microeconomics and macroeconomics; positive and normative economics What is an economy? Central problems of an economy: what, how and for whom to produce; concepts of production possibility frontier and opportunity cost.</p> | 23 | 23 | AUGUST |

| | | | | |
|----|---|----|----|-----------|
| 4 | <p>Consumer's Equilibrium and Demand Consumer's equilibrium - meaning of utility, marginal utility, law of diminishing marginal utility, conditions of consumer's equilibrium using marginal utility analysis. Indifference curve analysis of consumer's equilibrium-the consumer's budget (budget set and budget line), preferences of the consumer (indifference curve, indifference map) and conditions of consumer's equilibrium. Demand, market demand, determinants of demand, demand schedule, demand curve and its slope, movement along and shifts in the demand curve; price elasticity of demand - factors affecting price elasticity of demand; measurement of price elasticity of demand – percentage-change method.</p> | 22 | 22 | SEPTEMBER |
| 5 | <p>Producer Behavior and Supply Meaning of Production Function – Short-Run and Long-Run Total Product, Average Product and Marginal Product. Returns to a Factor Cost: Short run costs - total cost, total fixed cost, total variable cost; Average cost; Average fixed cost, average variable cost and marginal cost-meaning and their relationships.- total, average and marginal revenue - meaning and their relationship.</p> | 16 | 17 | OCTOBER |
| 6 | <p>Producer's equilibrium-meaning and its conditions in terms of marginal revenue- marginal cost. Supply, market supply, determinants of supply, supply schedule, supply curve and its slope, movements along and shifts in supply curve, price elasticity of supply; measurement of price elasticity of supply - percentage-change method. Correlation – meaning and properties, scatter diagram; Measures of correlation - Karl Pearson's method (two variables ungrouped data) Spearman's rank correlation.</p> | 22 | 24 | NOVEMBER |
| 7 | <p>Forms of Market and Price Determination under Perfect Competition with simple application Perfect competition - Features; Determination of market equilibrium and effects of shifts in demand and supply. Other Market Forms - monopoly, monopolistic competition, oligopoly - their meaning and features.</p> | 16 | 17 | DECEMBER |
| 8 | <p>Simple Applications of Demand and Supply: Price ceiling, price floor. Introduction to Index Numbers - meaning, types - wholesale price index, consumer price index and index of industrial production, uses of index numbers; Inflation and index numbers.</p> | 12 | 13 | JANUARY |
| 9 | Revision&Project in Economics | 15 | 23 | FEBRUARY |
| 10 | S.E.E.-2019-20 | - | 23 | MARCH |

KENDRIYA VIDYALAYA SANGATHAN GUWAHATI REGION
SPLIT UP SYLLABUS
SESSION: 2019-20
Class: XI
Subject: Geography

| Month | No. of working days | Unit | BOOK 1: FUNDAMENTALS OF PHYSICAL GEOGRAPHY | Unit | BOOK 2: INDIA- PHYSICAL ENVIRONMENT | No. of periods | Test/Exam |
|-----------|---------------------|----------------------|---|------|---|----------------|-------------------------------|
| June | 10 | I | Geography As A Discipline 1. Geography as a discipline | I | Introduction 1. Location-India | 6+5 | 1 st Periodic Test |
| July | 26 | II Practical | The Earth: 2. The Origin and Evolution of the earth 3. Interior of the earth, 4. Distribution of Oceans and continents Map | II | Physiographic 2. Structure and physiographic | 12+21 4 | |
| August | 23 | III Practical | Land forms 5. Minerals and Rock 6. Geomorphic process 7. Land forms and their Evolution Map Scale | | 3. Drainage system | 20+9 7 | |
| September | 22 | IV Practical | Climate 8. Composition and structure of atmosphere 9. Solar radiation, Heat Balance and Temperature 10. Atmospheric circulation and Weather Systems Map projection Latitude, Longitude, Time | | | 21 9 | |

| | | | | | | | |
|----------|----|------------------|--|------------|---|-------|----------------------------------|
| October | 17 | IV | 11. Water in the atmosphere, 12. World Climate | | | 13 | Half yearly exam (cumulative) |
| | | Practical | Topographical map | | | 9 | |
| November | 24 | V | WATER (OCEAN) 13. Water(Oceans) 14. Movement of ocean water | III | Climate, Vegetation And Soil 4. Climate | 11+15 | 2 nd periodic test |
| | | Practical | Aerial photography | | | 7 | |
| December | 17 | VI | LIFE ON THE EARTH 15. Life on the earth | | 5. Natural Vegetation | 7+8 | |
| | | Practical | Introduction to remote sensing | | | 7 | |
| January | 14 | | 16. Bio diversity and conservation | | 6. Soil | 7 | |
| | | Practical | Map work Weather instruments and charts | | | 7 | |
| February | | | Revision | IV | Natural Hazards and Disaster : Causes, Consequences and Management 7. Natural Hazards and disasters | 14 | |
| March | | | Session Ending Exam | | | | Session Ending Exam |

Theory (70 marks)

Book 1: Fundamentals of Physical Geography – 30 marks

Book 2: India Physical Environment – 30 marks

Map Identification: 5 marks

Map Location & labeling: 5 marks

Practical work: (30 marks)

Unit-1 : Fundamentals of maps- 10 marks

Unit 2: Topographic and weather map- 15 marks

Unit 3: Record and viva- 5 marks

KENDRIYA VIDYALAYA SANGATHAN GUWAHATI REGION

SPLIT-UP SYLLABUS

Subject: History

Class: XI

SESSION: 2019-20

| Parts | S.No. | Name of the chapter | Month | No. of Working days | Learning Outcome | No. of periods | Weightage of Marks | Test/Exam |
|----------------------------------|-------|-----------------------------------|-----------|---------------------|---|----------------|--------------------|--|
| Part I Early society | 1 | From the Beginning of Time | June | 25 | Early human species ,Evidences Chronological developments, Food habits, Differences, Tool, Making-art and Craft | 48 | 15 | |
| | 2 | Writing and City Life | July | 26 | Early city, Planning, Writing style, Evidences, Clay tablets, Texts, Early Library | | | |
| Part II Empire | 3 | An Empire across three continents | August | 24 | Roman empire, Polity, Economy, Rules and Rulers, Social life and slaves, Architecture | 50 | 20 | 1 st Periodic test Unit –1 and 2 |
| | 4 | Central Islamic Lands | | | Extension of empire, Polity, Islam and its principles, Art and architecture, Islamic literature | | | |
| | 5 | Nomadic Empires | | | Extension of Nomadic Empire, Rulers, Contribution, Yasa, Ghensin Khan | | | |
| Part – III Changing Tradition | 6 | Three Orders | September | 21 | Feudal system, Manor, Society in France and England, Life of peasants | 50 | 20 | |
| | 7 | Changing Cultural Traditions | | | Revival of Italian cities, Humanism, Artists and realism, Universities and new subjects, Renaissance, Martin Luther protestant Movement | | | |

| | | | | | | | | |
|---|----|-------------------------------------|-----------------------|----|---|-----|-----|--|
| | 8 | Confrontation of Cultures | October | 18 | Maya, Inca and Aztecs, Civilizations, Colonization of America by Spain | | | |
| Part- IV Towards modernization | 9 | The Industrial Revolution | November | 20 | Industrial Revolution, New machine and technology, Transport and communication, -Factory system | 52 | 20 | Half Yearly Exam. Chapters 1-7 |
| | 10 | Displacing Indigenous People | December | 19 | Natives and settlers. Gold Rush, American Natives and Europeans, Growth of Industry, Australia | | | 2 nd Periodic Test Chapters 8,9,10 |
| | 11 | Paths to Modernization | January | 24 | Japan ,Political system, Meiji Restoration and Reforms, China, Republic, communist party, cultural revolution, Taiwan | | | |
| | 12 | Revision Session Ending Exam | February March | | | | | Session Ending Examination will include entire Syllabus. |
| | 13 | Map Work(All Units) | | | | 10 | 5 | |
| | 14 | Project Work | | | | 10 | 20 | |
| | | Total | | | | 220 | 100 | |
| <p>Note:-</p> <ol style="list-style-type: none"> 1 Value Based Question can be taken from any of the above Parts- I, II, III, IV----- 04 Marks. 3 comprehension questions can be taken from any of the above Parts- I, II, III, IV. Accordingly, teacher can reduce weightage of the corresponding sections. For detailed information related to completion of Project, go through the Guidelines given by CBSE(www.cbse.nic.in) | | | | | | | | |

KENDRIYA VIDYALAYA SANGATHAN GUWAHATI REGION
SPLIT UP SYLLABUS (2019-20)
SUBJECT- ENGLISH (CORE)
CLASS-XII

| SL | MONTH | NAME AND DETAILS OF LESSON | DETAILS OF THE CHAPTERS | NO OF PERIODS | TENTATIVE NO OF WORKING DAYS AND PERIODS |
|----|---------------|---|---|---|--|
| 1 | APRIL- MAY | FLAMINGO (Text Book)Prose/Poem VISTAS(Supplementary Book) Reading and writing skills | L.1.The Last Lesson (Flamingo) P.1.My Mother at sixty six (Flamingo) L.1 The Third Level(Vistas) Reading comprehension passage Notice Advertisement Speech writing | 5 3 4 4 4 4 2 | 22+8=30 |
| 2 | JUNE | FLAMINGO (Text Book)Prose/Poem VISTAS (Supplementary Book) Reading and writing skills | L.2 Lost Spring (Flamingo) L.2 The Tiger King (vistas) Drafting of poster | 4 4 2 | 10 |
| 3 | JULY | FLAMINGO (Text Book)Prose/Poem VISTAS(Supplementary Book) Reading and writing skills | L.3.Deep Water. (Flamingo) L.4 The Rattrap (Flamingo) P.2 An Elementary Classroom in a slum (Flamingo) L .3.Journey to the end of the Earth(Vistas) Recapitulation of Note Making and summarizing Article Writing Reading Comprehension passage | 4 5 3 4 3 3 4 | 26 |
| 4 | AUGUST | FLAMINGO (Text Book)Prose/Poem VISTAS(Supplementary Book) Reading and writing | L.5.The Indigo Flamingo) P.3.keeping Quiet (Flamingo) L.4 The Enemy(vistas) L5 Should Wizard hit mommy(Vistas) Letter of complaint Letter to the Editor | 5 3 7 4 2+2=4 | 23 |

| | | | | | |
|----|-----|--|---|---------------------------------|----|
| 5 | SEP | FLAMINGO (Text Book)Prose/Poem VISTAS(Supplementary Book) Reading and writing skills | L6 Poets and pancakes (Flamingo) P.4 A thing of beauty (Flamingo) L.6 On the face of it (Vistas) Report Writing Debate P.5 A Roadside stand (FLAMINGO) Enquiry letter | 5 3 5 2 3 3 1 | 22 |
| 6 | OCT | FLAMINGO (Text Book)Prose/Poem VISTAS(Supplementary Book) Reading and writing skills | L.7The Interview (Flamingo) L.7 Evan Tries an O level (Vistas) Invitation & Replies Job Application Letter placing order | 4 6 4 3 | 17 |
| 7 | NOV | FLAMINGO (Text Book)Prose/Poem VISTAS(Supplementary Book) Reading and writing skills | L8Memories of childhood(Vistas) L8 Going places (Flamingo) P6 Aunt Jennifer's tigers(Flamingo) Revision | 4 4 2 14 | 24 |
| 8 | DEC | Revision& First Pre Board Examination | | 17 | 17 |
| 9 | JAN | Revision &Second Pre Board Examination | | 14 | 14 |
| 10 | FEB | Revision | | 22 | 22 |

KENDRIYA VIDYALAYA SANGATHAN, GUWAHATI REGION
SPLIT-UP SYLLABUS (2019-20)
CLASS –XII SUBJECT - PHYSICS (THEORY & PRACTICAL)

| MONTH | W. Day | UNIT & CHAPTER | CHP WISE CLASS REQUIRED | MARKS | PERIODS ALLOTTED As per CBSE | PRACTICAL | EXAM (UNIT / MONTHLY) |
|--------|-----------|--|-------------------------|--|------------------------------|---|---|
| APRIL | 22 | 1.ELECTRIC CHARGES AND FIELDS | 11 | 16 | 22 | 1. To determine resistance per cm of a given wire by plotting a graph for potential difference versus current. | |
| | | 2.ELECTRO STATIC POTENTIAL ND CAPACITANCE | 11 | | | 2. To find resistance of a given wire using metre bridge and hence determine the resistivity (specific resistance) of its material 3. To verify the laws of combination (series)/Parallel of resistances using a metre bridge. | |
| MAY | 8 | 3.CURRENT ELECTRICITY | 8 | | 20 | | 5. To compare the EMF of two given primary cells using potentiometer. |
| JUNE | 10 | CONT...3. CURRENT ELECTRICITY | 10 | 6. To determine the internal resistance of given primary cell using potentiometer. | | | |
| JULY | 26 | 4.MOVING CHARGES , MAGNETIC EFFECT OF CURRENT | 14 | 17 | 22 | 7. To determine resistance of a galvanometer by half-deflection method and to find its figure of merit. 8. To convert the given galvanometer (of known resistance and figure of merit) into a voltmeter of desired range and to verify the same. | |
| | | 5. MAGNETISM & MATTER | 8 | | | 9. To find the value of v for different values of u in case of a concave mirror and to find the focal length. 10. To find the focal length of a convex lens by plotting graphs between u and v or between 1/u and 1/v. | |
| | | 6.Eelectro magnetic induction | 2 | | 20 | 11. To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation. | |
| AUGUST | 24 | 6.Eelectro magnetic induction | 10 | 18 | | 4 | 12. To determine refractive index of a glass slab using a travelling microscope. |
| | | 7.ALTERNATING CURRENT | 8 | | 27 | | 13. To draw the I-V characteristic curve for a p-n junction in forward bias and reverse bias. |
| | | 8. ELECTROMAGNETIC WAVE.EMW | 4 | | | 14. To draw the characteristic curve of a zener diode and to determine its reverse breaks down voltage. | |
| | | 9 .OPTICS | 2 | | | | |
| SEPT | 22 | 10.OPTICS | 25 | | | | |
| OCT | 17 | 11.DUAL NATURE OF MATTER & RADIATION | 8 | 12 | 8 | 15. To determine the wavelength of a laser beam by diffraction. | H.Y IN OCT SYLLABUS TILL CHP-13 |
| | | 12.ATOM | 7 | | 15 | | |
| NOV | 24 | 13.NUCLEI | 8 | 7 | 12 | | |
| | | 14.SEMI CONDUCTOR ,ELECTRONIC DEVICES | 12 | | | | |
| TOTAL | 153 | | 150 | 70 | 150 | | |
| DEC | | 1ST PRE BOARD (WHOLE SYLLABUS) FROM 1ST WEEK OF DEC 2018 | | | | Dec-19 | |
| JAN | | 2 ND PRE BOARD (WHOLE SYLLABUS) FROM 3 RD WEEK OF JAN 2019 | | | | 01-01-2020 ALONG WITH PT-2 | |
| FEB | UPTO 10TH | AISSCE 2020 PRACTICAL FROM 2ND HALF OF JANUARY TO 1ST PART OF FEBRUARY | | | | | |

PRACTICALS (TOTAL PERIODS 60)

KENDRIYA VIDYALAYA SANGATHAN GUWAHATI REGION
SPLIT UP SYLLABUS (2019-20)
SUBJECT- BIOLOGY
CLASS-XII

| S NO | UNIT | TOPICS | PERIODS ALLOTTED | MONTH FOR COMPLETION |
|------|--------------|--|------------------|----------------------|
| 1 | REPRODUCTION | Reproduction In organisms: Reproduction, a characteristic feature of all organisms for continuation of species; modes of reproduction - asexual and sexual reproduction; asexual reproduction - binary fission, sporulation, budding, gemmule formation, fragmentation; vegetative propagation in plants. | 6 | APRIL-JUNE |
| | | 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. | 12 | |
| | | Human reproduction: Male and female reproductive systems; microscopic anatomy of testis and ovary; gametogenesis - spermatogenesis and oogenesis; menstrual cycle; fertilization, embryo development upto blastocyst formation, implantation; pregnancy and placenta formation (elementary idea); parturition (elementary idea); lactation (elementary idea). | 11 | |
| | | Reproductive Health: 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). | 4 | |

| | | | | |
|---|------------------------------|---|----|---|
| 2 | GENETICS AND HUMAN EVOLUTION | Principles of Inheritance: Heredity 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. | 16 | JULY & 14 PDS IN AUGUST 40pd |
| | | 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 expression and regulation - lac operon; genome and human and rice genome projects; DNA fingerprinting. | 17 | |
| | | Evolution: 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. | 7 | |
| 3 | BIOLOGY IN HUMAN WELFARE | Human health and diseases: Pathogens; parasites causing human diseases (malaria, dengue, chickengunia, 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. | 7 | 10 PDS IN AUGUST+10 PDS IN SEPTEMBER = 20 Pds |
| | | Strategies for enhancement of food production: Improvement in food production: Plant breeding, tissue culture, single cell protein, Biofortification, Apiculture and Animal husbandry. | 7 | |
| | | Microbes in human welfare: In household food processing, industrial production, sewage treatment, energy generation and microbes as biocontrol agents and biofertilizers. Antibiotics; production and judicious use. | 6 | |

| | | | | |
|---|---|--|-----------|---|
| 4 | BIO-TECHNOLOGY AND ITS APPLICATION | Biotechnology Principles and Processes: Genetic Engineering (Recombinant DNA Technology). | 11 | 11 PDS IN SEPT+9 PDS IN OCTOBER= 21 |
| | | 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, bio piracy and patents. | 10 | |
| 5 | ECOLOGY AND ENVIRONMENT | Organisms and Populations: Organisms and environment: Habitat and niche, population and ecological adaptations; population interactions - mutualism, competition, predation, parasitism; population attributes - growth, birth rate and death rate, age distribution. | 5 | 9 PDS IN OCTOBER+ 9 PDS IN NOVEMBER = 18 Pds |
| | | Ecosystem: Ecosystems: Patterns, components; productivity and decomposition; energy flow; pyramids of number, biomass, energy; nutrient cycles (carbon and phosphorous); ecological succession; ecological services - carbon fixation, pollination, seed dispersal, oxygen release (in brief). | 5 | |
| | | Bio-diversity and Conservation: Concept of biodiversity; patterns of biodiversity; importance of biodiversity; loss of biodiversity; biodiversity conservation; hotspots, endangered organisms, extinction, Red Data Book, biosphere reserves, national parks, sanctuaries and Ramsar sites. | 4 | |
| | | Environmental Issues: Air pollution and its control; water pollution and its control; agrochemicals and their effects; solid waste management; radioactive waste management; greenhouse effect and climate change; ozone layer depletion; deforestation; any one case study as success story addressing environmental issue(s). | 4 | |
| | REVISION | Complete syllabus / board pattern preparation | | DECEMBER & FEB |

KENDRIYA VIDYALAYA SANGATHAN, GUWAHATI REGION
SPLIT-UP SYLLABUS
SUB: CHEMISTRY
CLASS XII

| Sl. No. | Month | Unit | Distribution of syllabus (Name of unit and detailed Split up) | No. of Pds/Days |
|---------|----------|------|---|-----------------|
| 1 | April | I | Solutions :Types of solutions, expression of concentration of solutions of solids in liquids, solubility of gases in liquids, solid solutions, colligative properties - relative lowering of vapour pressure, Raoult's law, elevation of boiling point, depression of freezing point, osmotic pressure, determination of molecular masses using colligative properties, abnormal molecular mass, Van't Hoff factor. | 10 |
| 2 | April | II | Electrochemistry :Redox reactions, 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, 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, fuel cells, corrosion. | 12 |
| 3 | MAY-JUNE | III | 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. | 10 |
| 4 | JUNE | IV | Surface Chemistry :Adsorption - physisorption and chemisorption, factors affecting adsorption of gases on solids, catalysis, homogenous and heterogenous activity and selectivity; enzyme catalysis colloidal state distinction between true solutions, colloids and suspension; lyophilic, lyophobic multi-molecular and macromolecular colloids; properties of colloids; Tyndall effect, Brownian movement, electrophoresis, coagulation, emulsion - types of emulsions. | 8 |
| 5 | July | V | General Principles and Processes of Isolation of Elements :Principles and methods of extraction - concentration, oxidation, reduction - electrolytic method and refining; occurrence and principles of extraction of aluminium, copper, zinc and iron. | 6 |

| | | | | |
|---|--------|------|---|-----------|
| 6 | July | VI | "p"-Block Elements: Group 16 Elements: General introduction, electronic configuration, oxidation states, occurrence,trends in physical and chemical properties, dioxygen: Preparation, Properties and uses,classification of Oxides, Ozone, Sulphur -allotropic forms; compounds of Sulphur: Preparation Properties and uses of Sulphur-dioxide, Sulphuric Acid: industrial process of manufacture,properties and uses; Oxoacids of Sulphur (Structures only).Group 17 Elements: General introduction, electronic configuration, oxidation states, occurrence,trends in physical and chemical properties; compounds of halogens, Preparation, properties and uses of Chlorine and Hydrochloric acid, interhalogen compounds, Oxoacids of halogens (structures only).Group 18 Elements: General introduction, electronic configuration, occurrence, trends in physical and chemical properties, uses. | 12 |
| 7 | July | VII | "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, magnetic properties,interstitial compounds, alloy formation, preparation and properties of K ₂ Cr ₂ O ₇ and KMnO ₄ .Lanthanoids - Electronic configuration, oxidation states, chemical reactivity and lanthanoid contraction and its consequences.Actinoids - Electronic configuration, oxidation states and comparison with lanthanoids. | 10 |
| 8 | August | VIII | 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, importance of coordination compounds (in qualitative inclusion, extraction of metals and biological system). | 10 |
| 9 | August | IX | Haloalkanes and Haloarenes. Haloalkanes: Nomenclature, nature of C–X bond, physical and chemical properties, mechanism of substitution reactions, optical rotation.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. | 11 |

| | | | | |
|----|-----------------------|------|--|------------|
| 10 | September | X | 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. | 11 |
| 11 | September | XI | Aldehydes, Ketones and Carboxylic Acids 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. | 11 |
| 12 | October | XII | Organic compounds containing Nitrogen Amines: Nomenclature, classification, structure, methods of preparation, physical and chemical properties, uses, identification of primary, secondary and tertiary amines. Cyanides and Isocyanides - will be mentioned at relevant places in text. Diazonium salts: Preparation, chemical reactions and importance in synthetic organic chemistry. Proteins - Elementary idea of - amino acids, peptide bond, polypeptides, proteins etc. | 9 |
| 13 | October- November | XIII | 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 - 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. | 9 |
| 14 | November | XIV | Polymers Classification : Natural and synthetic, methods of polymerization (addition and condensation), copolymerization, some important polymers: natural and synthetic like polythene, nylon polyesters, bakelite, rubber. Biodegradable and non-biodegradable polymers. | 5 |
| 15 | November | XV | Chemistry in Everyday life Chemicals in medicines: analgesics, tranquilizers antiseptics, disinfectants, antimicrobials, antifertility drugs, antibiotics, antacids, antihistamines. Chemicals in food - preservatives, artificial sweetening agents, elementary idea of antioxidants. Cleansing agents - soaps and detergents, cleansing action. | 5 |
| 18 | December- February | | Revision , Pre-Board & Practicals | 139 |

Note: Total periods/days allotted as per possible working days during academic session

KENDRIYA VIDYALAYA SANGTHAN GUWAHATI REGION
SPLIT-UP SYLLABUS
SESSION 2019-20
SUBJECT: MATHEMATICS
CLASS - XII

| S.No. | CHAPTERS | MONTHS | TENTATIVE No OF PERIODS REQUIRED | NO. OF WORKING DAYS |
|-------|---|-----------|----------------------------------|---------------------|
| 1 | RELATION AND FUNCTIONS | APRIL/MAY | 45 | 22+08=30 |
| 2 | INVERSE TRIGONOMETRIC FUNCTIONS | | | |
| 3 | MATRICES | | | |
| 4 | DETERMINANTS | JUNE/JULY | 15 | 10 |
| 5 | CONTINUITY AND DIFFERENTIATION | JULY | 40 | 26 |
| 6 | APPLICATION OF DERIVATIVES | | | |
| 7 | INTEGRALS | AUGUST | 36 | 23 |
| 8 | APPLICATION OF INTEGRALS | | | |
| 9 | DIFFERENTIAL EQUATIONS | SEPTEMBER | 33 | 22 |
| 10 | VECTORS | | | |
| 11 | THREE DIMENSIONAL GEOMETRY | OCTOBER | 24 | 17 |
| 12 | LINEAR PROGRAMMING | NOVEMBER | 36 | 24 |
| 13 | PROBABILITY | | | |
| | REVISION WORK / PRE-BOARD | DECEMBER | | |
| | REVISION WORK / PRE-BOARD | JANUARY | | |
| | REVISION/CONDUCT OF PRACTICAL FOR INTERNAL ASSESSMENT | FEBRUARY | | |
| | CBSE EXAMINATION | MARCH | | |

KENDRIYA VIDYALAYA SANGATHAN, GUWAHATI REGION
SPLIT-UP SYLLABUS
SUBJECT: BIOTECH
CLASS: XII
SESSION: 2019-2020

| S. No | Month | UNIT | No Of Periods | Chapter | Periods Alloted | Marks Alloted | Practicals |
|-------|----------------------|---------------------------------------|---------------|-------------------------------------|-----------------|---------------|--|
| 1 | April - May | Protein and Gene Manipulation | 100 | Recombinant DNA Technology | 40 | 15 | 1. Isolation of bacterial plasmid DNA Detection of DNA by gel electrophoreses . 2. Isolation of Genomic DNA (CTAB method) 3. Estimation of DNA 4. Bacterial transformation using any plasmid 5. Restriction digestion of plasmid DNA & its analysis by gel electrophoresis 6. Isolation of bacteria from curd & staining of bacteria 7. Cell viability assay 8. Bioinformatics |
| 2 | June - July | | | Protein Structure and Engineering | 40 | 15 | |
| | August | | | Genomic and Bioinformatics | 20 | 10 | |
| 3 | August September | Cell Culture and Genetic Manipulation | 60 | Microbial Culture and Applications | 20 | 10 | |
| | September October | | | Plant Cell Culture and Application | 20 | 10 | |
| 4 | November | | | Animal Cell Culture and Application | 20 | 10 | |
| 5. | DEC. - MARCH | REVISION PREBOARD PRACTICALS | | | | | |

KENDRIYA VIDYALAYA SANGATHAN, GUWAHATI REGION
SPLIT - UP SYLLABUS (2019-20)
CLASS – XII
SUBJECT – ACCOUNTANCY

| Month | Working days | Unit and Chapter | Period allotted |
|--|--------------|---|-----------------|
| PART A : Accounting for Partnership Firms and Companies | | | |
| April | 22 | UNIT-I : Accounting for partnership firms Financial statements of Not for Profit Organisations, Meaning, features, method of capital ,P&L Appropriation, Past Adjustments, guarantee of profit. | 115 |
| May | 08 | Valuation of goodwill | |
| June | 10 | Reconstitution of Partnership:-Change in profit sharing ratio | |
| July | 26 | Admission & Retirement of partner | |
| August | 23 | Death of the partner & Dissolution of Partnership Firm | |
| | | UNIT-II : Accounting for Companies Accounting for Companies: Accounting for share capital (before Pro rata allotment) | 35 |
| September | 22 | Accounting for Companies: Accounting for share capital (prorata allotment /forfeiture/reissue/ESOP) Accounting for issue & Redemption of Debenture | |
| PART B : Financial Statement Analysis | | | |
| September+ October | 17 | UNIT-III : Analysis of financial statement Financial Statement of a Company Financial Statement analysis and tool for financial statement Analysis. Accounting ratios. | 30 |
| November | 24 | UNIT-IV : Cash flow statement And Revision | 20 |
| December | 17 | 1ST PRE BOARD (WHOLE SYLLABUS) | ---- |
| January | 14 | 2 ND PRE BOARD (WHOLE SYLLABUS) | |
| | | Project as per CBSE guidelines | 40 |
| | | Total | 240 |

** Working days are tentative only

SYLLABUS FOR PERIODIC TEST I to II and Pre Board Examination
CLASS-XII
Subject- Accountancy

| Sl. No. | Name of Exam | Topic to be covered | Weightage of marks |
|---------|---|--|----------------------|
| 1 | 1 st PERIODIC TEST (50 marks) | 1. Financial statements of Not for Profit Organizations. 2. Accounting for Partnership firm –Fundamental (P&L Appropriation, Past Adjustments, etc) | 10 marks 13 marks |
| | | 3. Goodwill Valuation | 06 marks |
| | | 4. Change in Profit sharing Ratio | 06 marks |
| | | 5. Reconstitution of Partnership: Admission & Retirement of partner | 15 marks |
| 2 | 2 nd PERIODIC TEST (50 Marks) | 1. Reconstitution of Partnership:- Death of partner | 10 marks |
| | | 2. Dissolution of firm | 20 marks |
| | | 3. Company Accounts:- Issue of Share (Before prorata allotment) | 20 marks |
| 3 | Half Yearly Examination (80 Marks) | Up to Analysis of financial Statement (Financial Statement of Companies and Financial Statement analysis.) | 80 marks |
| 4 | 1 st PRE BOARD (80 marks) | Full syllabus as per CBSE guidelines | As per CBSE Pattern |
| 5 | 2 nd PRE BOARD (80 marks) | Full Syllabus as per CBSE guidelines | As per CBSE Pattern |

Note:- Syllabus for Class-XII to be completed by 15th of NOVEMBER 2019.

KENDRIYA VIDYALAYA SANGATHAN, GUWAHATI REGION**SPLIT-UP SYLLABUS****SESSION 2019-20****CLASS –XII****SUBJECT- BUSINESS STUDIES**

| SL. No. | MONTH | WORKING DAYS** | CHAPTERS TO BE COVERED | PERIODS REQUIRED |
|--------------------------|-------------------------|----------------|--|------------------|
| 1 | April | 22 | 1. Nature and Significance of Management. 2. Principles of Management | 14 14 |
| 2 | May + June | 18 | 3. Business Environment | 12 |
| 3 | July | 26 | 4. Planning 5. Organizing | 14 18 |
| 4 | August | 23 | 6. Staffing 7. Directing | 16 18 |
| 5 | September | 22 | 8. Controlling | 14 |
| | | | 9. Financial Management | 22 |
| 6 | October | 17 | 10. Financial Markets 11. Marketing Management | 20 32 |
| 7 | November | 24 | Marketing Management Continued.... 12. Consumer Protection | 16 |
| 8 | December | 17 | Revision and 1 st Pre Board Exam and Project Work | ---- |
| CBSE PROJECT WORK | | | | 30 |
| 9 | January-February | | CBSE Practical and Revision and 2nd Pre Board | |

** Working days are tentative

SYLLABUS FOR TEST / EXAMINATION (CLASS-XII)

SUBJECT – BUSINESS STUDIES

| Sl. No. | NAME OF EXAM | TOPICS TO BE COVERED | WEIGHTAGE OF MARKS |
|----------------|---------------------------------------|---|---------------------------|
| 1 | PERIODIC TEST-I (50 Marks) | 1. Nature and Significance of Management. | 20 Marks |
| | | 2 .Principles of Management | 20 Marks |
| | | 3.Business Environment | 10 Marks |
| 2 | PERIODIC TEST-II (50 Marks) | 4. Planning | 10Marks |
| | | 5 .Organizing | 20 Marks |
| | | 6.Staffing | 20 Marks |
| 3 | HALF YEARLY EXAMINATION (80 Marks) | Unit 1 to Unit 9 of NCERT Text Book (Up to Financial Management) | 80 Marks |
| 4 | 1 st PRE BOARD | Full Syllabus as per CBSE guidelines | As Per CBSE Pattern |
| 5 | 2 nd PRE BOARD | Full Syllabus as per CBSE Guidelines | As Per CBSE Pattern |

Note:- Syllabus for Class-XII to be completed by 15th of NOVEMBER 2019.

KENDRIYA VIDYALAYA SANGATHAN, GUWAHATI REGION**SPLIT-UP SYLLABUS****SUB: COMPUTER SCIENCE (083)****CLASS - XII (NEW SYLLABUS)****(SESSION 2019 - 20)****DISTRIBUTION OF MARKS**

| UNIT | UNIT NAME | MARKS |
|------|--|------------|
| 1 | Programming and Computational Thinking-2 | 30 |
| 2 | Computer Network | 15 |
| 3 | Data Management-2 | 15 |
| 4 | Society, Law and Ethics-2 | 10 |
| 5 | Practicals | 30 |
| | TOTAL | 100 |

MONTH- WISE DISTRIBUTION

| Month | Topics to be covered | Th. | Pr. |
|--------------|--|-----|-----|
| April | Unit 1: Programming and Computational Thinking-2 <ul style="list-style-type: none"> Revision of the basics of Python Functions: scope, parameter passing, mutable/immutable properties of data objects, pass arrays to functions, return values, functions using libraries: mathematical, and string functions. | 30 | 20 |
| May- June | <ul style="list-style-type: none"> File handling: open and close a file, read, write, and append to a file, standard input, output, and error streams, relative and absolute paths. Using Python libraries: create and import Python libraries | 20 | 10 |
| July | <ul style="list-style-type: none"> Recursion: simple algorithms with recursion: factorial, Fibonacci numbers; recursion on arrays: binary search Idea of efficiency: performance defined as inversely proportional to the wall clock time, count the number of operations a piece of code is performing, and measure the time taken by a program. Example: take two different programs for the same problem, and understand how the efficient one takes less time. | 30 | 25 |
| Aug | <ul style="list-style-type: none"> Data visualization using Pyplot: line chart, pie chart, and bar chart. Data-structures: lists, stacks, queues. | 25 | 25 |
| September | Unit 2: Computer Network (CN) <ul style="list-style-type: none"> Structure of a network: Types of networks: local area and wide area (web and internet), new technologies such as cloud and IoT, public vs. private cloud, wired and wireless networks; concept of a client and server. Network devices such as a NIC, switch, hub, router, and access point. Network stack: amplitude and frequency modulation, collision in wireless networks, error checking, and the notion of a MAC address, main idea of routing. IP addresses: (v4 and v6), routing table, router, DNS, and web URLs, TCP: basic idea of retransmission, and rate modulation when there is congestion (analogy to a road network), Protocols: 2G, 3G, 4G, Wi-Fi. What makes a protocol have a higher bandwidth? | 25 | 20 |

| | | | |
|----------|---|----|----|
| | <ul style="list-style-type: none"> • Basic network tools: traceroute, ping, ipconfig, nslookup, whois, speed-test. • Application layer: HTTP (basic idea), working of email, secure communication: encryption and certificates (HTTPS), network applications: remote desktop, remote login, HTTP, FTP, SCP, SSH, POP/IMAP, SMTP, VoIP, NFC. | | |
| October | HALF YEARLY EXAMINATION | | |
| | Unit 3: Data Management (DM-2) <ul style="list-style-type: none"> • Write a minimal Django based web application that parses a GET and POST request, and writes the fields to a file - flat file and CSV file. • Interface Python with an SQL database SQL commands: aggregation functions – having, group by, order by. | 15 | 05 |
| November | UNIT 4: Society , Law and Ethics (SLE-2) <ul style="list-style-type: none"> • Intellectual property rights, plagiarism, digital rights management, and licensing (Creative Commons, GPL and Apache), open source, open data, privacy. • Privacy laws, fraud; cyber-crime- phishing, illegal downloads, child pornography, scams; cyber forensics, IT Act, 2000. • Technology and society: understanding of societal issues and cultural changes induced by technology. • E-waste management: proper disposal of used electronic gadgets. • Identity theft, unique ids, and biometrics. • Gender and disability issues while teaching and using computers. Revision, Project Work Submission | 15 | 05 |
| Dec-Jan | • Pre-Board Examination | | |
| Feb | • Revision & AISSCE Practical Examination | | |

GUIDELINES FOR PRACTICAL WORK

COMPUTER SCIENCE (065) :CLASS - XII

DISTRIBUTION OF MARKS

| S.No. | UNIT NAME | MARKS |
|----------|---|-------|
| 1 | Lab Test (10 marks) | |
| | Python programs to test PCT (60% logic + 20% documentation +20% code quality) | 7 |
| | Small Python program that sends a SQL query to a database and displays the result. A stub program can be provided. | 3 |
| 2 | Report File + viva (09 marks) | |
| | Report file: Minimum 21 Python programs. Out of this at least 4 programs should send SQL commands to a database and retrieve the result; at least 1 program should implement the web server to write user data to a CSV file. | 7 |
| | Viva voce (based on the report file) | 2 |
| 3 | Project + viva (11 marks) * | |
| | Project Work (that uses most of the concepts that have been learnt) | 8 |
| | Project Viva Voce. | 3 |

*Refer CBSE Curriculum for detailed guidelines for Project work.

KENDRIYA VIDYALAYA SANGATHAN, GUWAHATI REGION**SPLIT-UP SYLLABUS****SUB: INFORMATICS PRACTICES (065)****CLASS - XII (NEW SYLLABUS)****(SESSION 2019 - 20 ONWARD)****DISTRIBUTION OF MARKS**

| UNIT | UNIT NAME | MARKS |
|-------------|----------------------------|--------------|
| 1 | Data Handling - 2 | 30 |
| 2 | Basic Software Engineering | 15 |
| 3 | Data Management-2 | 15 |
| 4 | Society, Law and Ethics-2 | 10 |
| 5 | Practicals | 30 |
| | TOTAL | 100 |

MONTH- WISE DISTRIBUTION

| Month | Topics to be covered | Th. | Pr |
|------------------|---|------------|-----------|
| April | Unit 1: Data Handling -2 : Python Pandas <ul style="list-style-type: none">• Advanced operations on Data Frames: pivoting, sorting, and aggregation• Descriptive statistics: min, max, mode, mean, count, sum, median, quartile, var | 25 | 20 |
| May-June | <ul style="list-style-type: none">• Create a histogram, and quantiles.• Function application: pipe, apply, aggregation (group by), transform, and apply map.• Reindexing, and altering labels. | 15 | 20 |
| July | Numpy <ul style="list-style-type: none">• 1D array, 2D array• Arrays: slices, joins, and subsets• Arithmetic operations on 2D arrays• Covariance, correlation and linear regression | 30 | 25 |
| August | Plotting with Pyplot <ul style="list-style-type: none">• Plot bar graphs, histograms, frequency polygons, box plots, and scatter plots. Unit 2: Basic Software Engineering (BSE) <ul style="list-style-type: none">• Introduction to software engineering• Software Processes: waterfall model, evolutionary model, and component based model | 25 | 25 |
| September | <ul style="list-style-type: none">• Delivery models: incremental delivery, spiral delivery• Process activities: specification, design/implementation, validation, evolution• Agile methods: pair programming, and Scrum• Business use-case diagrams• Practical aspects: Version control system (GIT), and do case studies of software systems and build use-case diagrams | 25 | 20 |

| HALF YEARLY EXAMINATION | | | |
|-------------------------|---|----|----|
| October | Unit 3: Data Management (DM-2) | 10 | 05 |
| | <ul style="list-style-type: none"> • Write a minimal Django based web application that parses a GET and POST request, and writes the fields to a file - flat file and CSV file. • Interface Python with an SQL database SQL commands: aggregation functions – having, group by, order by. | | |
| November | UNIT 4: Society , Law and Ethics (SLE-2) | 15 | 05 |
| | <ul style="list-style-type: none"> • Intellectual property rights, plagiarism, digital rights management, and licensing (Creative Commons, GPL and Apache), open source, open data, privacy. • Privacy laws, fraud; cyber-crime- phishing, illegal downloads, child pornography, scams; cyber forensics, IT Act, 2000. • Technology and society: understanding of societal issues and cultural changes induced by technology. • E-waste management: proper disposal of used electronic gadgets. • Identity theft, unique ids, and biometrics. • Gender and disability issues while teaching and using computers. • Role of new media in society: online campaigns, crowdsourcing, smart mobs • Issues with the internet: internet as an echo chamber, net neutrality, internet addiction • Case studies - Arab Spring, WikiLeaks, Bit coin Revision, Project Work | | |
| Dec- Jan | • Pre-Board Examination | | |
| Feb | • Revision & AISSCE Practical Examination | | |

PRACTICAL WORK
INFORMATICS PRACTICES (065) : CLASS - XII
DISTRIBUTION OF MARKS

| S.No. | UNIT NAME | MARKS |
|----------|---|-------|
| 1 | Lab Test (10 marks) | |
| | Python programs to test PCT (60% logic + 20% documentation +20% code quality) | 7 |
| | Small Python program that sends a SQL query to a database and displays the result. A stub program can be provided. | 3 |
| 2 | Report File + viva (09 marks) | |
| | Report file: Minimum 21 Python programs. Out of this at least 4 programs should send SQL commands to a database and retrieve the result; at least 1 program should implement the web server to write user data to a CSV file. | 7 |
| | Viva voce (based on the report file) | 2 |
| 3 | Project + viva (11 marks) * | |
| | Project Work (that uses most of the concepts that have been learnt) | 8 |
| | Project Viva Voce. | 3 |

*Refer CBSE Curriculum for detailed guidelines for Project work.

KENDRIYA VIDYALAYA SANGATHAN, GUWAHATI REGION

SPLIT -UP SYLLABUS (TERM-I)

SESSION: 2019-2020

CLASS: XII

SUBJECT: POLITICAL SCIENCE

| Units | | Periods | Marks | Month |
|---|--|------------|-----------|--------------|
| Part A: Contemporary World Politics | | | | |
| 1 | Cold War Era | 14 | 14 | April |
| 2 | The End of bipolarity | 13 | | May |
| 3 | US Hegemony in World Politics | 13 | 16 | June |
| 4 | Alternative centres of Power | 11 | | July |
| 5 | Contemporary South Asia | 13 | | Aug |
| 6 | International Organizations | 13 | 10 | Aug |
| 7 | Security in Contemporary World | 11 | | Sept |
| 8 | Environment and Natural Resources | 11 | 10 | Sept |
| 9 | Globalization | 11 | | Oct |
| | TOTAL | 110 | 50 | |
| Part B: Politics in India since Independence | | | | |
| 10 | Challenges of Nation-Building | 13 | 16 | April |
| 11 | Era of One-party Dominance | 12 | | May |
| 12 | Politics of Planned Development | 11 | | June |
| 13 | India's External relations | 13 | 6 | July |
| 14 | Challenges to the Congress System | 13 | 12 | July |
| 15 | Crisis of the Democratic Order | 13 | | Aug |
| 16 | Rise of Popular Movements | 11 | 16 | Aug |
| 17 | Regional aspirations | 11 | | Sept |
| 18 | Recent Developments in Indian Politics | 13 | | Sept |
| | Total | 110 | 50 | |

KENDRIYA VIDYALAYA SANGATHAN GUWAHATI REGION

SPLIT-UP SYLLABUS

Class: XII

Subject: History

Session: 2018-19

| S. No. | Name of the chapter | Month | No. of Working days | Learning Outcome | No. of periods | Weight age of Marks | TEST AND EXAMS |
|--------|---|----------|---------------------|--|----------------|---|----------------|
| 1 | Bricks, Beads and Bones (Harappan Civilization) | April | 25 | Ancient Urban Center as economic and social institution, Sources, Planning, Major sites | 13 | Part- I (25) Including one comprehension | |
| 2 | Kings, Farmers and Towns | | | From 600 BCE to 600 CE the political trends and economic history of the sub-continent .Inscriptional sources and others | 14 | | |
| 3 | Kinship, Caste and Class | May-June | 9 | Mahabharat as a source to know the social History of 600 BC to 600 CE, Textual analysis and reconstructing social history | 14 | | |
| 4 | Thinkers, Beliefs and Buildings | | | Cultural and religious trends from 600 BCE to 600 CE, Jainism and Buddhism and Hinduism, teachings and principles, monuments and reconstructing religious histories. | 14 | | MT |
| 5 | Through the Eyes of Travellers | July | 26 | Medieval society through traveler's account, Al Beruni, Ibn-Batuta and Bernier | 13 | Part- II (25) Including one comprehension | |
| 6 | Bhakti-Sufi Traditions | | | Religious developments in medieval period, Bhakti Sufi traditions features saints, texts and teachings | 13 | | |
| 7 | An Imperial Capital: Vijayanagara | | | Imperial city Vijaynagar, history, Rulers, Buildings, Colin Meckengie's findings | 13 | | MT |
| 8 | Peasants Zamindars and the State | August | 24 | 15 TH to 17 TH century, Mughal period, Sources, Ain-i- Akbari, Administration Revenue records & Revenue system village community and artisans, Panchayat and Zamindars, Trade and commerce | 10 | | |
| 9 | Kings and Chronicles | | | Mughal court and Mughal cronicles , Akbarnama and Padsahnama, limitations | 10 | | |

| | | | | | | | | |
|--|---|-----------|----|--|-----|---|------|----|
| 10 | Colonialism and the country side | | | Life of Zamindars, Peasants and artisans. Revenue settlements, official records, fifth report, Deccan Riot report | 10 | Part- III (25) Including one compre hension | MT | |
| 11 | Rebels and the Raj. | September | 21 | Representation of the Revolt of 1857, sources, causes , Leaders, Centres, repressive measures, prophesies | 09 | | | |
| 12 | Colonial cities | | | Modern urban centers established by the colonial govt., Black and White township, other buildings , Architectural styles. | 13 | | MT | |
| 13 | Mahatma Gandhi and the nationalist Movement | October | 18 | Nationalist Movement and Gandhian leadership, Ideals of Gandhiji, movements, Sources to know about Gandhiji. | 13 | | | |
| 14 | Understanding partition(Politics, Memories and Experiences) | | | About partition, Factors, Growth of Communalism, oral histories, limitations, effects. | 14 | | MT | |
| 15 | Framing the Constitution(The Beginning of New Era) | November | 9 | Indian constitution, Ideals, Objective Resolution, leaders, committees, members, features, Language and Minority issue. | 14 | | | MT |
| | | December | | REVISION | | | PB-1 | |
| | | January | | REVISION | | | PB-2 | |
| | | February | | REVISION | | | | |
| 16 | Map Work(All Units) | | | | | 10 | 5 | |
| 17 | Project Work | | | | | 10 | 20 | |
| 18 | Total | | | | 220 | 100 | | |
| <p>Note: There is no change in the syllabus. Value Based Question can be from Part-1, 2, 3 textbooks and carry 04 marks. 3 comprehension questions can be taken from any of the above Parts- 1,2,3 Accordingly teacher can reduce weightage of the corresponding sections.</p> | | | | | | | | |

**KENDRIYA VIDYALAYA SANGATHAN
(GUWAHATI REGION)**

SPLIT UP SYLLABUS

Class: XII

SESSION: 2019-20

Subject: Geography

| Month | No. of working days | Unit | BOOK 1: FUNDAMENTALS OF HUMAN GEOGRAPHY | Unit | BOOK 2: INDIA- PEOPLE AND ECONOMY | No. of periods | Test/Exam |
|-----------|---------------------|------------------|---|------|---|----------------|-------------|
| April-May | 22+8 | I | 1. Human Geography: Nature and scope | I | 1. Population: Distribution, Density, Growth and Composition 2. Migration types, causes and Consequences | 23+10 | |
| | | II | 2. The World population: Distribution, Density and Growth 3. Population Composition | | | | |
| June | 10 | II | 4. Human Development | I | 3. Human Development | 12+5 | MT-1 |
| | | PRACTICAL | 1. Data: its sources and compilation | | | | |
| July | 26 | III | 5. Primary activities 6. Secondary Activities 7. Tertiary and Quaternary activities | II | 4. Human settlements | 20+6 | MT-2 |
| | | PRACTICAL | 2. Data processing | | | | |
| August | 23 | III | 8. Transport and Communication | III | 5. Land resources and Agriculture 6. Water Resources | 12+12 | MT-3 |
| | | PRACTICAL | Graphical presentation of data | | | | |

| | | | | | | | |
|---------------------------------|----|-----------|--|-----------|--|------|--|
| September | 22 | III | 9. International Trade | III | 7. Mineral and energy Resources 8. Manufacturing Industries | 8+13 | MT-4 |
| | | PRACTICAL | Use of computer in data processing and mapping | | | 6 | |
| October | 17 | IV | 10. Human settlements | III IV | 11. Planning and Sustainable Development in Indian Context 12. Transport and Communication | 8+10 | MT-5 |
| | | PRACTICAL | Field survey / Spatial Information technology | | | 15 | |
| November | 24 | | REVISION | IV V | 13. International Trade 14. Geographical Perspective on Selected Issues and Problems | 10+9 | MT-6 |
| December January February | | | REVISION | | REVISION | | 1 st Pre- Board 2 nd Pre- Board |

Theory (70 marks)

Book 1: Fundamentals of Human Geography – 30 marks

Book 2: India People and Economy – 30 marks

Map Identification: 5 marks

Map Location & labeling: 5 marks

Practical work: (30 marks)

Unit 1: Processing of Data and Thematic Mapping (15 Marks)

Unit 2: Field study or Spatial Information Technology (10 Marks)

Practical Record Book and Viva voce (5 Marks)

KENDRIYA VIDYALAYA SANGATHAN, GUWAHATI REGION
SPLIT-UP SYLLABUS
SUBJECT- ECONOMICS
SESSION 2019-20
CLASS- XII

| S.NO. | Name of the Exam. | Name of the Chapter/Topics | No. of periods required | entative working days | MONTH |
|-------|-------------------|--|-------------------------|-----------------------|---------|
| 1 | Periodic Test -1 | <p>Unit 1: National Income and Related Aggregates What is Macroeconomics? Basic concepts in macroeconomics: consumption goods, capital goods, final goods, intermediate goods; stocks and flows; gross investment and depreciation. Circular flow of income (two sector model); Methods of calculating National Income - Value Added or Product method, Expenditure method, Income method. Aggregates related to National Income: Gross National Product (GNP), Net National Product (NNP), Gross and Net Domestic Product (GDP and NDP) - at market price, at factor cost; Real and Nominal GDP. GDP and Welfare</p> | 20 | 22 | APRIL |
| 2 | Periodic Test -1 | <p>Unit 2: Money and Banking Money - meaning and supply of money- Currency held by the public and net demand deposits held by commercial banks. Money creation by the commercial banking system. Central bank and its functions (example of the Reserve Bank of India): Bank of issue, Govt. Bank, Banker's Bank, Control of Credit through Bank Rate, CRR, SLR, Repo Rate and Reverse Repo Rate, Open Market Operations, Margin requirement.</p> | 16 | 18 | MAY-JUN |
| 3 | | <p>Unit 3: Determination of Income and Employment Aggregate demand and its components. Propensity to consume and propensity to save (average and marginal). Short-run equilibrium output; investment multiplier and its mechanism. Meaning of full employment and involuntary unemployment. Problems of excess demand and deficient demand; measures to correct them - changes in government spending, taxes and money supply.</p> | 25 | 26 | JULY |

| | | | | | |
|---|------------------|---|----|----|-----------|
| 4 | Periodic Test -2 | <p>Unit 4: Government Budget and the Economy Government budget - meaning, objectives and components. Classification of receipts - revenue receipts and capital receipts; classification of expenditure – revenue expenditure and capital expenditure. Measures of government deficit - revenue deficit, fiscal deficit, primary deficit their meaning.</p> | 11 | 23 | AUGUST |
| 5 | | <p>Unit 5: Balance of Payments Balance of payments account - meaning and components; balance of payments deficit-meaning. Foreign exchange rate - meaning of fixed and flexible rates and managed floating. Determination of exchange rate in a free market.</p> | 12 | | |
| 6 | | <p>Unit 6: Development Experience (1947-90) and Economic Reforms since 1991 A brief introduction of the state of Indian economy on the eve of independence. Common goals of Five Year Plans. Main features, problems and policies of agriculture (institutional aspects and new agricultural strategy, etc.), industry (industrial licensing, etc.) and foreign trade.</p> | 9 | 22 | SEPTEMBER |
| 7 | | <p>Economic Reforms since 1991: Features and appraisals of liberalisation, globalisation and privatisation (LPG policy); Concepts of demonetization and GST</p> | | | |
| 8 | HALF YEARLY EXAM | <p>Unit 7: Current challenges facing Indian Economics Poverty- absolute and relative; Main programmes for poverty alleviation: A critical assessment; Rural development: Key issues - credit and marketing - role of cooperatives; agricultural diversification; alternative farming - organic farming Human Capital Formation: How people become resource; Role of human capital in economic development; Growth of Education Sector in India Employment: Formal and informal growth; problems and policies. Infrastructure: Meaning and Types: Case Studies: Energy and Health: Problems and Policies- A critical assessment; Sustainable Economic Development: Meaning, Effects of Economic Development on Resources and Environment, including global warming.</p> | 14 | 17 | OCTOBER |

| | | | | | |
|----|--|---|----|----|----------|
| 9 | | Unit 8: Development Experience of India A comparison with neighbours India and Pakistan India and China Issues: growth, population, sectoral development and other Human Development Indicators. | 20 | 24 | NOVEMBER |
| 10 | | Part C: Project in Economics PRE BOARD –I | | | DECEMBER |
| 11 | | PRE BOARD –II | | | JANUARY |
| 12 | | PRACTICE OF SAMPLE PAPERS. | | | FEBRUARY |
| 13 | | SESSIONENDING EXAM-2020 | | | MARCH |

केन्द्रीय विद्यालय गुवाहाटी संभाग

पाठ्यक्रम विभाजन 2019-20

कक्षा - बारहवीं

विषय - हिन्दी कोर

| क्रम संख्या | महीना | कलान्स | आरोह भाग -2 (गद्य) | आरोह भाग -2 (पद्य) | वितान भाग -2 | लेखन |
|-------------|--------|--------|---|---|---------------|---|
| 1 | अप्रैल | 22 | भक्तिन | आत्म परिचय दिन जल्दी जल्दी ढलता है. (हरिवंश राय बच्चन) | सिल्वर वैडिंग | अपठित बोध समसामयिक अनुच्छेद, लेखन औपचारिक पत्र |
| 2 | मई | 08 | बाजार दर्शन , | पतंग (आलोक धन्वा) | सिल्वर वैडिंग | |
| 3 | जून | 10 | काले मेघा पानी दे, | कविता के बहाने (कुँवर नारायण) | जूझ | सामाजिक अनुच्छेद, लेखन, अनौपचारिक पत्र लेखन , आलेख जून मासिक परीक्षा |
| 4 | जुलाई | 26 | पहलवान की ढोलक (फणीश्वर नाथ रेणु) चालीं चैप्लिन यानी हम सब , | बात सीधी थी पर(कुँवर नारायण) कैमरे में बंद अपाहिज , रघुवीर सहाय | | नैतिक अनुच्छेद, फीचर, जनसंचार की विधाएँ (प्रिंट माध्यम और संपादकीय), पत्रकारिता जुलाई मासिक परीक्षण |

| | | | | | | |
|----|---------|----|--|---|--------------------------|---|
| 5 | अगस्त | 23 | नमक (रजिया सज्जद जाहिर) शिरीष के फूल (हजारी प्रसाद द्विवेदी) | सहर्ष स्वीकारा है (गजानन माधव मुक्तिबोध) उषा (शमशेर बहादुर सिंह) | अतीत में दबे पाँव | संस्कृतिक अनुच्छेद, समाचार लेखन, इंटरनेट, संपादन, |
| 6 | सितंबर | 22 | श्रम विभाजन और जाति प्रथा (डॉ. भीम राव अम्बेडकर) | कवितावली लक्ष्मण मूर्छा और राम का विलाप (गोस्वामी तुलसीदास) | डायरी के पन्ने | साहित्यिक अनुच्छेद,, विशेष लेखन, संपादकीय, सितंबर मासिक परीक्षण |
| 7 | अक्तूबर | 17 | | गज़ल रुबाईयाँ (फिराक गोरखपुरी) छोटा मेरा खेत (उमाशंकर जोशी) | | यात्रा संबंधी अनुच्छेद,, अपठित बोध पुस्तक समीक्षा |
| 8 | नवंबर | 24 | पुनरावृत्ति | पुनरावृत्ति | पुनरावृत्ति | जनसंचार की विधाएँ अपठित बोध 3 मॉडल प्रतिदर्श प्रश्न पत्र |
| 9 | दिसंबर | 17 | पुनरावृत्ति | | पूर्व बोर्ड परीक्षण-1 | 3 सीबीएससी प्रश्न-पत्र हल सहित |
| 10 | जनवरी | 14 | पुनरावृत्ति | | पूर्व बोर्ड परीक्षण 2 | 3 प्रतिदर्श प्रश्न पत्र का परीक्षण कर मूल्यांकन |
| 11 | फरवरी | 24 | पुनरावृत्ति | पुनरावृत्ति | पुनरावृत्ति | 3 प्रतिदर्श प्रश्न पत्र का छात्रों द्वारा स्वपरीक्षण |