

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.Electro 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.Electro 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		

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	1st 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	2nd 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	1st PRE BOARD (80 marks)	Full syllabus as per CBSE guidelines	As per CBSE Pattern
5	2nd 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.

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.

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.

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>								

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)

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

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