

**ENGLISH LANGUAGE**  
**CLASS XII**  
**SYLLABUS 2018- 2019**

**UNIT I**

**HALF YEARLY**

SL NO.	TOPIC	CONTENTS	SL NO.	TOPIC	CONTENTS
1	Composition –	One word Essays/Imaginative, Descriptive, Reflective, Argumentative	1	Composition –	Narrative Argumentative, Story Writing
2	Comprehension	Question -answer, homonyms, preci	2	Grammar	( Transformation of Sentences, Phrasal Verbs/Prepositions, Tense)
3	Grammar	( Transformation of Sentences, Phrasal Verbs/ Prepositions, Tense)	3	Comprehension	Question-answer, homonyms, preci
4	Reviews	(Film/Book/Theatre/Concert/TV Show), Personal Profile, Report Writing ( Dated, Undated), Interview	4	Report Writing	Dated and undated reports, Statement of Purpose
<b>SYLLABUS FOR UNIT TEST 1</b>			<b>SYLLABUS FOR HALF-YEARLY EXAMINATION</b>		
Comprehension Grammar( Transformation of Sentences, Phrasal Verbs/ Prepositions, Tense)			Composition – Descriptive, Reflective, Narrative, One word Essays, Argumentative, Story Writing Report Writing (Dated, undated), Personal Profile , SOP, Reviews, Speech, Article, Interview. Grammar - ( Transformation of Sentences, Phrasal Verbs/Prepositions, Tense), Comprehension.		

**UNIT II**

**REHEARSAL**

SL NO.	TOPIC	CONTENTS	SL NO.	TOPIC	CONTENTS
1	Report Writing	( Dated, undated ) , Personal Profile, Reviews, Speech, Article	1	Revision	(Entire ISC Syllabus)
2	Grammar	( Transformation of Sentences, Phrasal Verbs/Prepositions, Tense)	<b>SYLLABUS FOR REHEARSAL EXAMINATION</b>		
3	Comprehension		Composition – Descriptive, Reflective, Narrative, One word Essays/ Imaginative, Argumentative, Story Writing Report Writing (Dated, undated), Personal Profile , Reviews, Speech, Article, Interview, Brochure , SOP Grammar - ( Transformation of Sentences, Phrasal Verbs/Prepositions, Tense), Comprehension		
<b>SYLLABUS FOR UNIT TEST 2</b>					
Report Writing (Dated, undated), Personal Profile , Reviews, Speech, Article,Interview. Grammar - ( Transformation of Sentences, Phrasal Verbs/Prepositions, Tense),					

**ENGLISH LITERATURE  
CLASS XII  
SYLLABUS 2018-2019**

**UNIT I**

**Prescribed Text**    **Echoes : A Collection of ISC Short Stories**  
A Gorilla in the Guest room- Gerald Durrell

**Prescribed Text**    **Reverie : A Collection of ISC Poems**  
Desiderata - Max Ehrmann  
The Tempest

**Prescribed Text**    **The Tempest : William Shakespeare**  
Act -IV

**SYLLABUS FOR UNIT TEST 1**

Echoes : A Gorilla in the Guest room, The Chinese Statue  
Reverie : Desiderata , The Darkling Thrush

The Tempest : Act IV (till the portion taught)

**UNIT II**

**Prescribed Text**    **Echoes : A Collection of ISC Short Stories**  
B. Wordsworth – V.S. Naipaul

**Prescribed Text**    **Reverie : A Collection of ISC Poems**  
We are the Music Makers – Arthur William Edgar  
O'Shaughnessy

**Prescribed Text**    **The Tempest : William Shakespeare**  
Act V and Epilogue

**SYLLABUS FOR UNIT TEST 2**

Echoes : B. Wordsworth, To Build a Fire, Quality  
Reverie : We are the Music Makers, The Gift of India, Birches  
The Tempest : Act V and Epilogue

**HALF YEARLY**

**Prescribed Text**    **Echoes : A Collection of ISC Short Stories**  
The Singing Lesson -Katherine Mansfield  
The Sound Machine- Roald Dahl

**Prescribed Text**    **Reverie : A Collection of ISC Poems**  
Dover Beach - Matthew Arnold  
The Spider and the Fly – Mary Botham Howitt

**Prescribed Text**    **The Tempest : William Shakespeare**  
Act IV, Act V

**SYLLABUS FOR HALF YEARLY EXAMINATION**

Echoes : A Gorilla    Echoes : A Gorilla in the Guest room, The Singing Lesson, The  
in the Guest room, Sound Machine, Salvatore  
The Singing  
Lesson, The Sound  
Machine,  
Salvatore

Reverie : Desiderat Reverie : Desiderata , Dover Beach, The Spider and the Fly, Dolphir  
The Tempest : Act I, The Tempest : Act I, II, III, IV

**REHEARSAL**

**Prescribed Text**    **Echoes : A Collection of ISC Short Stories**  
Echoes : Revision

**Prescribed Text**    **Reverie : A Collection of ISC Poems**  
Reverie : Revision

**Prescribed Text**    **The Tempest : William Shakespeare**  
The Tempest : Revision

**SYLLABUS FOR REHEARSAL**

Entire ISC Syllabus

**MATHEMATICS**  
**CLASS XII**  
**SYLLABUS 2018-2019**

**UNIT I**

**HALF YEARLY**

<b>UNDERSTANDING ISC MATHEMATICS BY M.L. AGGARWAL</b>			<b>UNDERSTANDING ISC MATHEMATICS BY M.L. AGGARWAL</b>		
<b>Prescribed Text</b>			<b>Prescribed Text</b>		
SL NO.	NAME OF THE CHAPTER	TOPICS	SL NO.	NAME OF THE CHAPTER	TOPICS
1	Inverse trigonometric	Inverse trigonometric function			<b>SECTION A</b>
2	Matrices	Operations, Martin's Rule	9	Differentiation	Derivatives of functions
3	Determinants	Properties	10	Differentiation (Higher	Successive differentiation
4	Relations	Properties and Equivalence Relation	11	Indeterminate Form of Limits	L'Hospital's Rule
5	Functions	Real valued function and invertibility	12	Rate Measurer	Rate Measurer
6	Binary Operations	Axioms and Properties	13	Approximation	Approximation
7	Continuity	Continuity of functions	14	Increasing and decreasing Function	Increasing and decreasing Function
8	Differentiability	Concept of differentiability	15	Equation of Tangent and Normal	Equation of Tangent and Normal
			16	Mean Value Theorem	Rolle's theorem and Lagrange's Mean value theorem
			17	Indefinite Integration	By Substitution, Standard Methods, By Parts, Special Integrals
			18	Probability ( I )	Conditional probability, independent events.
					<b>SECTION B</b>
			1	Vectors	Scalar or dot product, Cross Product, Scalar Triple Product
			2	Straight Line in Space	Cartesian & Vector Equation in 3D, Coplanar & Skew Lines, Shortest Distance
					<b>SECTION C</b>
			1	Regression Analysis	Line of best fit , angle between regression lines
			2	Linear programming	Linear programming (Graphically)

**SYLLABUS FOR HALF YEARLY EXAMINATION INCLUDES UNIT TEST I SYLLABUS**

**MATHEMATICS  
CLASS XII  
SYLLABUS 2018-2019**

**UNIT II**

**REHEARSAL**

<b>UNDERSTANDING ISC MATHEMATICS BY M.L. AGGARWAL</b>			<b>UNDERSTANDING ISC MATHEMATICS BY M.L. AGGARWAL</b>		
<b>Prescribed Text</b>			<b>Prescribed Text</b>		
SL NO.	NAME OF THE CHAPTER	TOPICS	SL NO.	NAME OF THE CHAPTER	TOPICS
		<b>SECTION A</b>			
19	Probability ( II )	Baye's theorem, Mean, Variance of Random Variable	22	Maxima and Minima	Application of derivative and practical problems
20	Probability ( III )	Binomial Distribution	23	Differential Equations	Formation and solving differential equation by different methods
21	Definite Integration Increasing and decreasing Function (Revision)	Definition and application of properites Increasing and decreasing Function	3	Area under the curve	<b>SECTION B</b> Application of definite integration
	Equation of Tangent and Normal (Revision)	Equation of Tangent and Normal	4	The Plane	Cartesian & Vector Equation, Angle between two planes, Equation of Plane through Intersection of Planes.
	Indefinite Integration (Revision)	By Substitution,Standard Methods, By Parts,Special Integrals			<b>SECTION C</b>
	Vectors ( <b>SEC-B</b> ) (Revision)	Scalar or dot product, Cross Product, Scalar Triple Product	3	Application of derivative in Commerce and Economics	Cost and revenue function. Profit function, break even point
	Regression Analysis ( <b>SEC - C</b> ) (Revision)	Line of best fit , angle between regression lines			

**SYLLABUS FOR THE PREBOARD INCLUDES THE ENTIRE ISC SYLLABUS  
PRESCRIBED BY COUNCIL**

**PHYSICS**  
**CLASS XII**  
**SYLLABUS 2018-19**

**UNIT I**

**HALF YEARLY**

**ISC Physics by Pitambar**

**ISC Physics by Pitambar**

Sl. No.	Name of the Chapter	Topic	Sl. No.	Name of the Chapter	Topic
1	Electrostatics	Coulomb's law, Electric field, Electric flux, Gauss's theorem	4	Electromagnetic induction and Alternating Currents	Faraday's laws, Lenz's law, R.M.S value of alternating current, reactance impedance, LC oscillations, LCR series circuit, resonance
2	Current Electricity	Ohm's law and its proof, electrical energy and power, colour code for carbon resistors, Kirchoff's laws, wheatstone bridge, metre bridge, Potentiometer.	1	Capacitance & capacitors	AC generator.
3	Magnetic effects of current and Magnetism	Biot-Savart law, Ampere's circuital law, Lorentz force, cyclotron, force on current in magnetic field, moving coil galvanometer, earth's magnetic field.	10	Communication Systems (block diagram)	Modes of propagation through sky and space waves, satellite communication, Modulation frequency and amplitude.

Half Yearly Examination: Theory from units: 1,2,3,4,10 + Practical + Project + File.

**UNIT II**

**REHEARSAL**

**ISC Physics by Pitambar**

**ISC Physics by Pitambar**

Sl. No.	Name of the Chapter	Topic	Sl. No.	Name of the Chapter	Topic
6	Waves	Maxwell's Equation, displacement current Electromagnetic wave propagation, transverse nature, electromagnetic spectrum.	8	Atoms and Nuclei	Bohr's atomic model, Hydrogen spectrum, Radioactive Decay law, mass defect, binding energy per nucleon.
7	Optics	Refraction at spherical surface, Lens maker's formula, equivalent focal length of lens combination. Refraction through prism, Dispersive power. Microscope, Astronomical telescope.	9	Electronic Devices	Semiconductor diodes, diode as a rectifier, Zener Diode as a voltage regulator, npn & pnp transistors, transistor as an amplifier, Logic Gates: OR, AND, NOT, NAND and NOR, combination of gates.
7	Wave optics	Huygen's principle, Interference, Young's double slit experiment, Fraunhofer diffraction due to a single slit, Polarisation, Brewster's law.	Rehearsal examination: Entire ISC syllabus + Practical + Project work		
7	Dual nature of radiation & matter	Einstein's photoelectric equation, de-Broglie matter wave relation, Davisson-Germer experiment. X-Rays, Mosley's law. degrees of freedom, law of equipartition of energy	10	Oscillations and waves	Second law of thermodynamics; reversible and irreversible processes, Heat engine and refrigerator. Simple Harmonic Motion. Free, forced and damped Oscillations. Transverse and longitudinal waves. Wave speed. Superposition of waves. Strings. Doppler Effect of sound. Revision from the reference book

Annual Examination: Theory from serial Number 1 to 10 + Practical + Project work.

**CHEMISTRY**  
**CLASS XII**  
**SYLLABUS 2018-2019**

**UNIT I**

**HALF YEARLY**

ISC Chemistry By H.C .Srivastava			ISC Chemistry By H.C.Srivastava		
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic
	Aldehyde, Ketones &				
12	Carboxylic acids	General Classification, Manufacture, Preparation, Properties, Conversion, Distinction between	10	Haloalkanes and Haloarenes	Nomenclature, preparation, Properties- Chlorobenzene, Organometallic Compounds
		Aldehydes & Ketones , Aliphatic & Aromatic Aldehydes		Organic Compounds containing	
	Co-ordination		13	Nitrogen	Nitro benzene , Amines, Aniline , (Methods of Preparation , Reaction ,
8	Compounds.	Important terms of Co-ordination Compounds , Nomenclature of co-ordination compounds, Isomerism , bonding -VBT & CFT & Limitations.			Distinguishing Tests between primary , secondary & tertiary Amines (Hinsberg 's test).
1	Solutions	Raoult's law , Colligative properties, Depression in Freezing point, Elevation in Boiling, Osmotic Pressure.	1	Solid State.	Crystalline & Amorphous Lattice, Relation between Radius edge length, density, Interstitial Void, Imperfections in a Solid, Electrical & magnetic Properties.
11	Alcohol & Phenols &	Nomenclature, preparation, properties-, organometallic compounds.	3	Electrochemistry	Faraday's first & second law of Electrolysis, Galvanic Cells, Standard Hydrogen Electrode , Electrode Potential, Electrochemical Series, Nernst Equation , Kohlrausch's Law, corrosion
			3	Chemical Kinetics	Rate of Reaction , Law of Mass Action, Concept Of reversible Reactions Equilibrium Constant in terms of Graphical Representations, Order & Molecularity Reaction, Mechanism Arrhenius Equation & Catalyst.
			10	d & f block elements.	d-Block: 3d, 4d & 5d series. f-Block : 4f & 5f series.

Syllabus for the Half –Yearly including the Project Work.  
Practical: Salt Analysis (Identification of Anions & Cation –Double Salt )  
Titrations ( Iodometric Titrations)  
Identification of Organic Compounds ( Formaldehyde, Acetaldehyde, Acetone, Glycerol)  
Project Topic will Be given at the beginning of the Session

**CHEMISTRY**  
**CLASS XII**  
**SYLLABUS 2018-2019**

**UNIT II**

**REHEARSAL**

ISC Chemistry By H.C .Srivastava			ISC Chemistry By H.C.Srivastava		
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic
14	Polymers	Addition & Condensation Polymers, Polyesters Natural & Synthetic	7	p- block elements.	Methods of Preparation, Group 16, 17, 18.
	Chemistry in Everyday		6	General Principles and Processes	Ozone, Sulphur Dioxide, Sulphuric of Isolation of Elements
4	Life	Medicinal chemistry, Antipyretics, Antiseptics, Preservatives, Soaps and Detergents		Compound .	Acid, Hydrochloric Acid
14	Biomolecules.	Carbohydrates, Proteins, Enzymes, Vitamins, Nucleic Acids		Syllabus for the Annual Examinations including the <b>Project Work</b> . Practical: Salt Analysis (Anions & Cations-Double Salt. )	
				1	1 Titrations.
				2	2 Rate of the Reaction.
				3	3 To determine the pH of the Solutions given.
				4	4 Food Test.
				5	5 Electrochemical Cells.
				Project Topic:	
				1	1 Electrochemical Cells.
				2	2 Coordination Compounds in the field of Medicine
				3	3 Coordination Compounds in the field of Industry
				4	4 Forensic Studies
				5	5 DNA Profiling
				6	6 Finger Printing

**BIOLOGY**  
**CLASS XII**  
**SYLLABUS 2018-2019**

**UNIT I**

**HALF YEARLY**

Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic
1	Reproduction In Organisms	i) Reproduction ii) Modes of reproduction - asexual, sexual iii) Asexual reproduction - binary fission, sporulation, budding, gemmule formation, fragmentation iv) Vegetative propagation in plants	3	Human Reproduction	i) Male and Female reproductive systems ii) Microscopic anatomy of testis and ovary iii) Gametogenesis - spermatogenesis and oogenesis iv) Menstrual cycle v) fertilisation, embryo development upto blastocyst formation, implantation vi) Pregnancy and placenta formation ( elementary idea) vii) Parturition (elementary idea) viii) Lactation(elementary idea)
2	Sexual reproduction in flowering plants	i) Flower structure ii) Development of male and female gametophytes iii) pollination - types, agencies and examples iv) Outbreeding devices v) pollen -pistil interaction vi) Double fertilisation vii) Post fertilisation events - development of endosperm and embryo, development of seed and formation of fruit viii) Special modes - apomixis, parthenocarpy, polyembryony ix) Significance of seed dispersal and fruit formation	4	Reproductive Health	i) Need for reproductive health and prevention of Sexually Transmitted Diseases ( STDs ) ii) Birth control -need and methods, contraception and medical and medical termination of pregnancy (MTP) iv) Amniocentesis v) Infertility and assisted reproductive technologies - IVF, ZIFT, GIFT ( elementary idea for general awareness )
			5	Principles of Inheritance and Variation	i) Heredity and Variation : Mendelian Inheritance ii) Deviation from Mendelism - incomplete dominance, co-dominance, multiple alleles and inheritance of blood groups, pleiotropy iii) Elementary idea of polygenic inheritance iv) Chromosomal theory of inheritance v) Chromosomes and genes vi) Sex determination - in humans, fruit fly, birds and honey bee vii) Linkage and crossing over viii) Mutation ix) Sex linked inheritance - Haemophilia, Colour Blindness x) Mendelian disorders in humans
			6	Molecular basis of Inheritance	xi) Chromosomal disorders in humans i) Search for genetic material and DNA as genetic material ii) Structure of DNA and RNA iii) DNA packaging iv) DNA replication v) Central Dogma vi) Transcription, genetic code, translation vii) Gene Expression and Regulation - Lac operon iii) Human and Rice Genome projects iv) DNA fingerprinting
			7	Evolution	i) Origin of Life ii) Biological Evolution and

UNIT 1: Chapter 1 and 2



**BIOLOGY**  
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		evidences for biological evolution ( palaeontology, comparative anatomy, embryology and molecular evidences )iii) Darwin's contribution, modern synthetic theory of evolution iv) Mechanism of evolution - variation and natural selection with examples, types of natural selection v) Gene flow and genetic drift vi) Hardy - Weinberg's principle vii) Adaptive radiation viii) Human evolution
8	Human Health and Diseases	i) Pathogens ii) Parasites causing human diseases ( common cold, dengue, chikungunya, typhoid, pneumonia, amoebiasis, malaria, filariasis, ascariasis, ring worm) and their control iii) Basic concepts of immunology - vaccines iv) Cancer, HIV and AIDS v) Adolescence - drug and alcohol abuse
9	Strategies for enhancement in food production	i) Improvement in food production : plant breeding, tissue culture, single cell protein, biofortification, apiculture and animal husbandry
10	Microbes in Human Welfare	i) In household food processing ii) industrial production iii) sewage treatment iv) energy generation and microbes as biocontrol agents and biofertilisers v) Antibiotics vi) Production and judicious use
11	Mutation	Genetic Engineering ( recombinant DNA technology )
12	Biotechnology and its applications	i) Applications of biotechnology in health and agriculture: human insulin and vaccine production, stem cell technology, gene therapy ii) Genetically Modified Organisms - Bt crops iii) Transgenic animals iv) Biosafety issues, biopiracy and biopatents
13	Organisms and Populations	i)Organisms and environment : habitat and niche, population and ecological adaptations ii) Population interactions - mutualism, competition, predation, parasitism iii) Population attributes - growth, birth rate and death rate, age distribution
14	Ecosystem	i) Ecosystems : patterns, components ii) Productivity and decomposition iii) Energy flow iv) Pyramids of number, biomass, energy v) Nutrient Cycles ( carbon and phosphorus) vi) Ecological succession vii) Ecological Services - carbon fixation, pollination, seed dispersal, oxygen release ( in brief )
15	Biodiversity and its Conservation	i) Concept of biodiversity ii) patterns of biodiversity iii) Importance of biodiversity iv) Loss of biodiversity v) Biodiversity conservation vi) Hot

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spots, endangered organisms, extinction, Red Data Book, biosphere reserves, national parks, sanctuaries and Ramsar sites.

16 Environmental Issues

i) Air pollution and its control ii) Water pollution and its control iii) Agrochemicals and their effects iv) Solid waste management v) Radioactive waste management vi) Green house effect and climate change vii) Ozone layer depletion viii) Deforestation ix) Any one case study story addressing environmental issue(s)

THEORY: Chapter no. 1,5,7,8,11 and 13

PRACTICAL : i) Flower dissection ( any two families out of five )

ii) Preparation of temporary slide

iii) Spotting

iv) Any physiological experiment photosynthesis , osmosis, plasmolysis, transpiration etc) OPTIONAL

PROJECT : Project topics as assigned to individual students.

Cancer, DNA Fingerprinting, Cloning, Parkinson's Disease, Global Warming, Biodiversity, Application of Biotechnology, AIDS, Global Warming and its consequences, IVF, Human Evolution, Different types of genetic disorders, Medicinal plants and many other ,topics related to the syllabus (Submission : Before Half Yearly Examination)

**UNIT II**

**REHEARSAL**

UNIT 2: Chapters 3 and 6 (May change, depending upon the number of chapters covered)

THEORY: Chapter no. 1 to Chapter no. 16

PRACTICAL : As per ISC syllabus ( taxonomy, biochemical and physiological expts., slide preparations, Spotting )

PROJECT : Collection of assigned project for ISC

REFERENCE BOOK WILL ALSO BE REFERRED FOR REVISION WORK.

**COMMERCE**  
**CLASS XII**  
**SYLLABUS 2018-2019**

UNIT TEST 1			HALF YEARLY EXAMINATION		
Sl No.	NAME OF THE CHAPTER	TOPICS	Sl No.	NAME OF THE CHAPTER	TOPICS
1	Business Environment	Concept and importance, Dimensions, SWOT Analysis	2	Management	Staffing, Directing, Controlling, Coordination
2	Management	Meaning, objectives, characteristics, nature of management, Importance of Management -- nature, need, Functions of Management: Planning, organising .	3	Marketing	Concepts, functions Marketing Mix

**SYLLABUS FOR HALF-YEARLY EXAMINATION INCLUDING PROJECT WORK.**

UNIT TEST II			REHEARSAL		
Sl No.	NAME OF THE CHAPTER	TOPICS	Sl No.	NAME OF THE CHAPTER	TOPICS
4	Financing	1) Capital 2) Source of finance for a joint stock company 3) Banking	5	Marketing	Consumer Protection

**PROJECT SUBMISSION DATES (TENTATIVE)**

Project-1-Draft 09.07.2018

Project-2-Draft 10.09.2018

Final Submission after the necessary amendments 28.11.2018

**A list of suggested Projects is given below:**

1. Compare marketing strategies adopted by two different companies of the same industry (FMCG / Telecommunication / media / education industry etc.) keeping in mind the following: – Product mix – Price Mix – Place Mix – Promotion Mix
2. Collect newspaper/magazine clippings of five cases filed by consumers in the Consumer Court. Find out the rights violated, and the redressal mechanism used. What was the outcome of each case?
3. Visit a commercial Bank. Find out the procedure to open a savings account. Find out the details of various Agency & General utility services provided by the bank.
4. Compare the interest rates offered by five different commercial banks on fixed deposits under various categories (general and senior citizens) and various time durations. Find out the procedure and formalities for opening a fixed deposit account. What is the procedure for closing the account on maturity and before maturity period?
5. Select five different companies across varying industries such as I.T., textiles, FMCG, Health Care, etc., included in the SENSEX. Keeping a hypothetical base money of Rupees One Lakh, invest in the shares of the selected companies. The movement of share prices selected by you should be monitored over a period of one month on a daily basis. A uniform / standard practice of either using the opening price or the closing price on a particular day of the week should be used by all students in the class. At the end of the month, analyse your investment in a spread sheet and give reasons for your choice of scripts.
6. Find out the names of companies under various sectors (FMCG, Pharma, automobile, etc) included in the NIFTY and the SENSEX. Make a chart of the same and track its movements over a period of one week.

7. (a) Study the sources of recruitment and steps involved in the selection procedure adopted by two companies of the same industry. (b) Compare and evaluate the sources of recruitment and the selection process adopted by the selected companies.
8. Formulate a capital plan for a hypothetical business organization. Justify your formulated plan.
9. Choose two companies of the same industry. Study their organizational structure. Also give information with regard to: (i) Hierarchy (ii) Centralization and delegation of authority (iii) Flow of information (scalar chain) (iv) Span of control (v) Channel of communication.
10. Select any business undertaking. Study the selected business in terms of ownership, capital and profitability. Make a S.W.O.T. analysis and present it in a tabular form.

**ACCOUNTS  
CLASS XII  
SYLLABUS 2018-2019**

UNIT TEST 1			HALF YEARLY EXAMINATION		
SL NO.	NAME OF THE CHAPTER	TOPICS	SL NO.	NAME OF THE CHAPTER	TOPICS
1	Joint Stock Company	Schedule III – Final Accounts Issue of Shares, Forfeiture, Re-issue. Issue of shares in consideration other than cash. Pro-rata Allotment and its types.	2	Partnership	Fundamentals, Past Adjustments, Guarantee. Valuation and treatment of Goodwill. Change in Profit sharing ratio. Admission of Partner
			3	Financial Statement Analysis	Comparative statement Common Size statement
			4	Ratio Analysis	Meaning ,Advantages , Limitations, Problems on Ratio Analysis

**SYLLABUS FOR HALF YEARLY EXAMINATION INCLUDING PROJECT WORK**

UNIT TEST II			REHEARSAL		
SL NO.	NAME OF THE CHAPTER	TOPICS	SL NO.	NAME OF THE CHAPTER	TOPICS
5	Partnership (contd)	Retirement, death and dissolution of Partnership.	7	Cash flow statement	Meaning, Importance and preparation of a Cash Flow Statement under Indirect method only.
6	Joint Stock Company (contd)	Debentures – Issue, forfeiture and re-issue. Collateral securities. Redemption of Debentures.	8	Ratio Analysis	Meaning, Advantages, Limitations, Problems on Ratio Analysis

**PROJECT SUBMISSION DATES (TENTATIVE)**

Project-1-Draft 09.07.2018

Project-2-Draft 10.09.2018

Final Submission after the necessary amendments 28.11.2018

**ACCOUNTS**  
**CLASS XII**  
**SYLLABUS 2018-2019**

**A list of suggested Projects is given below:**

1. Preparation of Journal / sub-division of journal, Ledger, Trial balance and Financial Statements of a partnership form of business on the basis of a case study.

- Develop a case study showing how two or more friends decide to come together and start a business with a certain amount of capital.
- Prepare their Partnership Deed including interest on capital, partner's salary, commission, interest on drawings, interest on partner's loan and rent paid to a partner.
- Write in detail, their transactions during the year: purchases - cash and credit, sales - cash and credit, expenses, purchase of fixed assets and depreciation charged on them, any outstanding expenses, prepaid expenses, accrued income, drawing bills of exchange, accepting bills payable etc.
- From this case study developed (which should have at least 15 transactions), pass the journal entries, post them into the ledger, prepare a Trial Balance and the Trading and Profit and Loss Account, Profit and Loss Appropriation Account and Balance Sheet.
- The various expenses, for comparison purposes, could be depicted in the form of bar diagrams and pie charts.
- Calculate relevant accounting ratios like liquidity, solvency, activity and profitability giving their formulae and computation (all this could be part of the viva-voce).
- The ratios could also be shown graphically and/ or pictorially (bar diagrams and pie charts) and if possible, could be compared with the ratios of the industry.

2. Preparation of a Cash Flow Statement with the help of audited / unaudited / imaginary Balance Sheets of a company for two consecutive accounting years or two consecutive quarters of an accounting year could be taken along with at least five additional information (depreciation, purchase/ sale of fixed assets, dividend paid/ proposed, tax paid/ proposed, amortization of intangible assets, profit or loss on sale of fixed assets including provision for depreciation on them and profit or loss on sale of investment).

- The results of the operating, investing and financing activities could be shown graphically and/ or pictorially (bar diagrams and pie charts).

3. Preparation of Common Size and Comparative Income Statement and Balance Sheet of a company by taking into account its audited, unaudited / imaginary financial results of two consecutive quarters of an accounting year or of two consecutive accounting years.

- The comparison has to be made in the form of Common Size and Comparative Income Statement and Balance Sheet.
- The comparison could also be shown graphically and/ or pictorially (bar diagrams and pie charts).

4. Taking the audited/ unaudited / imaginary financial results of any leading company, its liquidity, solvency, activity and profitability ratios of two consecutive accounting years or of two consecutive quarters of an accounting year should be calculated and the comparison of the ratios of both the years or quarters should be shown graphically and/ or pictorially (bar diagrams and pie charts).

**BUSINESS STUDIES**  
**CLASS XII**  
**SYLLABUS 2018-2019**

UNIT Test 1			HALF YEARLY EXAMINATION		
SL NO.	NAME OF THE CHAPTER	TOPICS	SL NO.	NAME OF THE CHAPTER	TOPICS
1	HUMAN RESOURCE MANAGEMENT	i) Introduction to Human Resource Management, ii) Job and Manpower Planning; iii) Staff recruitment iv) Staff Selection v) Staff Training vi) Staff Morale vii) Staff Remuneration viii) Staff Motivation ix) Staff Leadership, x) Staff appraisal xi) Staff Promotion and Transfer xii) Staff Separation, xiii) Emerging trend in Human Resources.	2	BUSINESS COMMUNICATION & CORRESPONDENCE	i) Business Communication, ii) Business Correspondence - Business Letters, Reports, iii) Current Trends in Business Communication.

**SYLLABUS FOR HALF YEARLY EXAMINATION**

UNIT Test II			REHEARSAL		
SL NO.	NAME OF THE CHAPTER	TOPICS	SL NO.	NAME OF THE CHAPTER	TOPICS
3	BUSINESS SIZE & FINANCE	i) Various business entities; ii) Sources of business finance.	5	BUSINESS REGULATORS & INTERMEDIARIES	i) Regulators & Intermediaries; ii) Role of Regulators & Intermediaries.
4	GLOBALISATION & RECENT	i) Globalisation; ii) E-Business; iii) Outsourcing; iv)	<b>SYLLABUS FOR REHEARSAL EXAMINATION: Entire ISC Syllabus.</b>		

**PROJECT SUBMISSION DATES (TENTATIVE)**

Project-1-Draft 23.07.2018

Project-2-Draft 24.09.2018

Final Submission after the necessary amendments 14.11.2018

**Note: Candidates will be expected to have completed two projects from the following topics:-**

- Analyse** the recruitment process in any two companies of your choice. List the loopholes if any and give suggestions for improving the process.
- Study** any two business organisations ( one MNC and one Indian company) with regards to their policies of compensation ( increment policy, incentive policy, bonus and reward policy)
- Consider** any two successful business leaders. Give a brief account of their leadership styles. Explain the impact of their leadership styles in the achievements of the organisational goals of their respective organisations.
- Make** a comparative study of any two E- Business in terms of their nature, size, products and services offered, functioning and policies;
- Select** BPO and KPO and explain the outsourced functions that it performs. Discuss the impact of outsourcing in general and specifically on the profitability of the outsourcing organisation.

**ECONOMICS**  
**CLASS XII**  
**SYLLABUS 2018-2019**

UNIT TEST 1			HALF YEARLY EXAMINATION		
SL NO.	NAME OF THE CHAPTER	TOPICS	L NC	NAME OF THE CHAPTER	TOPICS
2	(a) Demand Analysis	The Concept of Demand : (i) Meaning(ii) Factors Affecting Demand & The Demand Function(iii) Law of Demand & Derivation of the Demand Schedule & Curve (Individual as well as market)(iv) Exceptions to the Law of Demand	8	Cost & Revenue	Basic Concepts of Cost : (i) Private Cost (ii) Economic Cost (iii) Social Cost (iv) Money Cost (v) Real Cost (vi) Explicit & Implicit Cost Cost Concepts : (i) Fixed Cost, Variable Cost (ii) Total Cost, Marginal Cost, Average Cost (Schedule & Diagrams) (iii) Relationship between AC, MC, TC (Concepts of long-run & short-run cost Curves) (iv) Difference between Accounting & Opportunity Costs Revenue : (i) Total Revenue, Average Revenue, Marginal Revenue: Concepts & Relationships Producers' Equilibrium : (i) Meaning & Conditions (ii) TR & TC Approach (iii) MR & MC Approach***Diagrams to be used wherever necessary
3	(b) Cardinal Utility Analysis	Cardinal Utility Analysis: (i) Meaning of Utility, Total Utility, Marginal Utility(ii) Relationship between TU & MU(iii) Law of Diminishing Marginal Utility (Schedule, diagram & assumptions)(iv) Consumers' Equilibrium : Law of Equi-Marginal Utility (Statement, Schedule & Conditions of Consumers' Equilibrium)*** Diagrams wherever necessary	9	Market Morphology	Markets :Types, Features & Characteristics Equilibrium Under Perfect Competitive Market conditions (Short-run, Shut-down & Break Even point)***Diagrams to be used wherever necessary
3	(c) Ordinal Utility Analysis	Ordinal Utility Analysis; (i) Indifference Curve Analysis (Meaning & Properties including MRS & DMRS)(ii) Indifference Map(iii) Consumers' Budget(iv) Consumers' Equilibrium Condition*** Diagrams wherever necessary	6&1	Public Finance	Fiscal policy Government Budget : (i) Meaning & Types (Union & State) Components : (i) Revenue & Capital Budget : (i) Concept (ii) Revenue Deficit (iii) Fiscal Deficit (iv) Primary Deficit Meaning & Implication of the above
4	(d) Elasticity of Demand	Elasticity of Demand : (i) Meaning & Types Of Elasticity(ii) Various Methods of Measurement of Elasticity (Point Method, Percentage Method, Geometric Method, with numericals only on Percentage Method)(iii) Cross & Income Elasticities(iv) Factors Affecting Elasticity of Demand*** Diagrams & Simple Numericals to be used wherever necessary	15	Balance Of Payment & Exchange Rate (From reference book)	BOP : (i) Meaning & Components (ii) Causes of Disequilibrium & Remedies Foreign Exchange Rate : (i) Meaning & Types (ii) Fixed and Flexible Exchange Rates Determination of Exchange Rates in Free Market (Flexible Only) Depreciation & Appreciation : Concepts Devaluation & Revaluation : Concepts
5	The Concept Of Supply	Supply: (i) Meaning & Determinants(ii) Difference between Stock & Supply(iii) Supply Function & The Law of Supply; Exceptions to the Law of Supply(iv) Derivation of Market Supply Schedule & Supply Curve; Movement & shift of the Supply Curve Elasticity of Supply : (i) Meaning & Types(ii) Measurement of elasticity of Supply (Percentage & Geometric Method)***Diagrams & Simple Numericals to be used wherever necessary)			



**ECONOMICS**  
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6	Market Mechanism	Equilibrium & Disequilibrium : (i) A Basic Understanding of the concept of Equilibrium(ii) The effects of changes in Demand & Supply on equilibrium price and quantityPrice Control :(i) Basic Understanding (ii) Rationing (iii) Price Ceiling (iv) Price Floor***Diagrams to be used wherever necessary
7	Production	Production function : (i) Concept of Production & Production Function : (i) Short-Run & Long-Run Production Function (ii) Definitions & Differences Law of Variable Proportions: (i) Statement, assumptions & schedule; Three Stages of production: (i) Explanation & DiagramTotal, Average & Marginal Physical Products : (i) Definitions ,Schedules & Curves,Inter-relationshipLaws of Return To Scale
13&14	Money & Banking	Money : (i) Meaning, Kinds of Money, (ii) Functions of Money (iii) Supply of Money(only meaning of M1,M2,M3 & M4 );High Powered MoneyBanking : (i) Functions of Commercial Banks (ii) Credit Creation by Commercial Banks; Concept of Money Multiplier (iii) Central Banks: Functions & regulatory role through Quantitative & Qualitative Methods

**UNIT TEST 2**

**REHEARSAL**

SL NO.	NAME OF THE CHAPTER	TOPICS	SL NO	NAME OF THE CHAPTER	TOPICS
12	Determination Of Income & Employment	Ex-Ante & Ex-Post demand : (i) Concept Meaning & Components Consumption Function : (i) Meaning (ii) Average & Marginal Propensity To Consume Saving Function : (i) Meaning (ii) Average & Marginal Propensity To Save Relationship between APS & APC;MPS & MPC Employment : Meaning of Full employment Equilibrium level of National Output: (i)Aggregate demand and supply approach (ii) Saving & Investment approach Investment :(i) Meaning (ii) Investment Multiplier: Meaning & Mechanism Problems of Excess Demand & Deficit Demand & Measures to correct them		Entire ISC Syllabus	

**ECONOMICS**

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18,19,20 National Income Circular Flow of Income : A simple Circular Flow Model Based on 2 sector,3 sector & 4 Sector Concepts of GDP,GNP,NNP,NDP,Personal & Private Incomes, Disposable Income Calculation Of National Income by Expenditure, Product & Income Methods. Precautions taken while measuring national income\*\*\*All concepts to be explained with help of simple numericals.

**Theory: Entire ISC syllabus Project Work : To be discussed in the class**

**COMPUTER SCIENCE**  
**CLASS XII**  
**SYLLABUS 2018-2019**

UNIT TEST 1			HALF YEARLY EXAMINATION		
CH. NO.	NAME OF THE CHAPTER	TOPICS	CH. NO.	NAME OF THE CHAPTER	TOPICS
1	Boolean Algebra	Propositional logic, Binary quantities, theorems, Karnaugh-maps, minterms, maxterms, SOP, POS	6	Functions/Methods	Functions, need, advantages, disadvantages, call by value, call by
2	Computer Hardware	Logic Gates – AND, OR, NAND, NOR, XOR, XNOR Adders – half and full, Encoders, Decoders etc.	7	Arrays, Strings	1-D Arrays, 2-D Arrays, String concept, syntax and applications in computer programs etc.
3	Objects and Classes	Attributes, behaviour, Objects, Classes and their examples	8	Compiling and Running Java Programs	Writing , Compiling and executing Java Programs (In Blue Java) etc.
4	Primitive values, Datatypes	Basic concepts, Token, Variable, different datatypes,	9	Java Classes-An OOP Perspective	OOP Concept, characteristics of OOP, features of OOP, Classes, JVM etc.
5	Statements, Control Structures and Scope	if, if – then - else, switch, loops, different types, their syntax, use and differences etc.	11	Recursion	Difference with Iteration, Advantages,
SYLLABUS FOR UNIT TEST Chapters 1, 2, 3 and 4			SYLLABUS FOR HALF YEARLY EXAMINATION INCLUDING PROJECT WORK Theory - Chapters 1,2,3,4,5,6,7,8,9 (From Text Book)☒		
			Practical- (From Textbook, Reference book, ISC Important Programs, ISC Resources Notes etc) Assignment File:- Total 15 Programs from Chapter 6 (Loops), Chapter 7 (Class-Function based Programs), Chapter 8 ( 1 dimensional arrays, 2 dimensional arrays or matrices, Strings etc.) File to be submitted on or before 20th August 2018 File (fully completed) to be submitted on or before 28th of August, 2018		
UNIT TEST 2			REHEARSAL		
CH. NO.	NAME OF THE CHAPTER	TOPICS	CH. NO.	NAME OF THE CHAPTER	TOPICS
10	Operations on Files	Text, Binary Files, Reading from and writing to both types of files, StringTokenizer etc.	1	Boolean Algebra	Revision
12	Concept of Inheritance	Concept, Types of Inheritance, method overriding, base, derived class, super keyword, Programs etc.	2	Computer Hardware	Revision
13	Exception Handling	Exceptions, try catch finally mechanism, throw, throws keyword	3	Objects and Classes	Revision
14	Simple Data Structures	Concept of linked list, types of linked list – singly, doubly linked list, Different types of queue- circular queue, dequeue, Programs	4	Primitive values, Wrapper classes, types and casting	Revision
15	Recursive Data Structures	Trees, terminologies, Types of Traversal Techniques - Inorder, Preorder, Postorder	4	Variables, expressions	Revision
16	Computational Complexity	Definition, Best, Worst, Average case complexity	5	Statements, Control Structures and Scope	Revision
SYLLABUS FOR UNIT TEST 2			6	Functions/Methods	Revision
			7	Arrays, Strings	Revision

**COMPUTER SCIENCE**

**CLASS XII**

**SYLLABUS 2018-2019**

Chapters 5, 6,7, 10,11, 12,13

8 Compiling Java Programs	Revision
9 Classes-An OOP Perspective	Revision
10 Operations on Files	Revision
11 Recursion	Revision
12 Concept of Inheritance	Revision
13 Exception Handling	Revision
14 Simple Data Structures	Revision
15 Recursive Data Structure	Revision
16 Computational Complexity	Revision

**SYLLABUS FOR REHEARSAL EXAMINATION INCLUDING PROJECT WORK**

Theory – All Chapters (As per ISC Syllabus)

Practical-

Assignment File:-Total35 Programs from Chapter6(Loops),Chapter7 (Class-Function based Programs ),

Chapter 8( 1 dimensional arrays, 2 dimensional arrays or matrices, Strings),  
Chapter 12(Recursion),

Chapter 15(Data Structures) and Class XI.

File to be submitted on or before 26th November 2018

**HINDI 2ND LANGUAGE  
CLASS XII  
SYLLABUS 2018-19**

UNIT I			HALF YEARLY		
<b>Book's Name</b>	GADYA SANKALAN	<b>Activity</b>	<b>Book's Name</b>	GADYA SANKALAN	<b>Activity</b>
	Name of the Chapter			Name of the Chapter	
	BHAKTIN-MAHADEVI VERMA	Word Meaning		MAJBOORI	Word Meaning
	SANSKRITI KYA HAI ?- DINKAR'	Explanation		DAASI	Explanation
	KYA NIRASH HUA JAYE- HAJARI PRASAD	Reference to Context		PUTRA PREM	Reference to Context
	DWIVEDI			SHARANAGAT	
<b>Book's Name</b>	KAVYA MANJARI	<b>Activity</b>	<b>Book's Name</b>	KAVYA MANJARI	<b>Activity</b>
	Name of the Chapter			Name of the Chapter	
	ANDHERE KA DEEPAK' BACHCHAN'	Word Meaning		EK PHOOL KI CHAH- SIYARAM SHARAN GUPT	Word Meaning
	BAAL LEELA- SOORDAS	Explanation		AA DHARTI KITNA DETI HAI-	Explanation
	UDHHAMI NAR- RAMDHARI SINGH DINKAR	Reference to Context		SUMITRANANDAN PANT	Reference to Context
				NADI KE DWEEP- AGGYEY	
<b>Book's Name</b>	AASHADH KA EK DIN		<b>Book's Name</b>	AASHADH KA EK DIN	
	Name of the Chapter			Name of the Chapter	
	ALL THE CHAPTERS			ALL THE CHAPTERS	

UNIT II			REHEARSAL		
<b>Book's Name</b>	GADYA SANKALAN	<b>Activity</b>	Whole Syllabus		
	Name of the Chapter				
	MAJBOORI	Word Meaning			
	DAASI	Explanation			
		Reference to Context			
<b>Book's Name</b>	KAVYA MANJARI	<b>Activity</b>			
	Name of the Chapter				
	NADI KE DWEEP- AGGYEY	Word Meaning			
	ANDHERE KA DEEPAK' BACHCHAN'	Explanation			
		Reference to Context			
<b>Book's Name</b>	AASHADH KA EK DIN				
	Name of the Chapter				
	ALL THE CHAPTERS				

**BENGALI 2ND LANGUAGE**  
**CLASS XII**  
**SYLLABUS 2018-19**

UNIT 1			HALF YEARLY		
Book's Name	Prabandho o Gadhya Sankalan(Prose)	Activity	Book's Name	Prabandho o Gadhya Sankala	Activity
Page No	Name of the Chapters		Page No	Name of the Chapters	
68	Lachmaner Ma	Reference to Context Word Meaning Word Notes Short Notes Short Questions	83 59	Ekti Tulshi Gacher Kahini Adab	Reference to Context Word Meaning Word Notes Short Notes Short Questions
Book's Name	Kabita Sankolon (Poetry)	Activity	Book's Name	Kabita Sankolon (Poetry)	Activity
Page No.	Name of the Chapters		Page No.	Name of the Chapters	
15	Raasta Karor Ekar Noy	Reference to Context Word Meaning Word Notes Short Notes Short Questions	17 13	Swadhinata Tumi Jodi Nirbasan Dao & Unit -1	Reference to Context Word Meaning Word Notes Short Notes Short Questions
Book's Name	KONI (Novel)		Book's Name	KONI (Novel)	
	Name of the Chapters Chapters -12			Name of the Chapters Chapters No.-13	
Book's Name	Prabandha Bharati (Grammar & Composition)		Book's Name	Prabandha Bharati (Grammar & Composition)	
	Name of the Chapters Correct and Incorrect Word Expression in one Word Proverbs			Name of the Chapters Essay Writing Comprehension Chaste to Modern Bengali One Word Expression	
Syllabus For Half Yearly All Chapters of Unit I & Half Yearly					
UNIT 2			REHEARSAL		
Book's Name	Prabandho o Gadhya Sankalan(Prose)	Activity	Book's Name	Prabandho o Gadhya Sankala	Activity
Page No	Name of the Chapters		Page No	Name of the Chapters	
93	Na Paharar Pariksha	Reference to Context Word Meaning Word Notes Short Notes Short Questions		Whole Book (10 Prose) Prescribed by ISC	Reference to Context Word Meaning Word Notes Short Notes Short Questions
Book's Name	Kabita Sankolon (Poetry)	Activity	Book's Name	Kabita Sankolon (Poetry)	Activity
Page No.	Name of the Chapters		Page No.	Name of the Chapters	

**BENGALI 2ND LANGUAGE**  
**CLASS XII**  
**SYLLABUS 2018-19**

19	Noon	Reference to Context Word Meaning Word Notes Short Notes Short Questions	Whole Book (10 Poems) Prescribed by ISC	Reference to Context Word Meaning Word Notes Short Notes Short Questions
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Book's Name	KONI (Novel)	Book's Name	KONI (Novel)
	Name of the Chapters Chapters No.-14		Name of the Chapters Whole Book-14 Chapters Prescribed by ISC
Book's Name	Prabandha Bharati (Grammar & Composition)	Book's Name	Prabandha Bharati (Grammar & Composition)
	Name of the Chapters Correct and Incorrect Words Proverbs Narration Change		Name of the Chapters Essay Comprehension One Word Expression Proverbs etc.

**PHYSICAL EDUCATION**  
**CLASS XII**  
**SYLLABUS 2018-2019**

<b>Unit 1</b>		<b>Half Yearly</b>	
* GENERAL WARM-UP	BODY FEXIBILITY	SPECIFIC WARM-UP	BODY FEXIBILITY
* YOGA EXERCISE	STRESS RELIEF,HELPS IN DIGESTION	FLAT RACE-100M.,200M.	INCREASING FITNESS
* MARCH PAST	DEVELOPMENT OF COORDINATION SKILL	SHUTTLE RUN	DEVELOPING BODY & FITNESS
* INDOOR GAMES-CARROM BOARD,CHESS	IMPROVEMENT OF MENTAL ABILITY	* OUTDOOR GAMES-BADMINTON,	IMPROVEMENT OF STRENGTH & SKILL
*OUTDOOR GAMES- BASKETBALL,FOOTBALL, CRICKET	DEVELOPMENT OF TEAM SPIRIT	THROWBALL * INDOOR GAMES-TABLE TENNIS	DEVELOPING OF PSYCHOMOTOR SKILL

<b>Unit 2</b>		<b>Annual</b>	
STRETCHING EXERCISE	BODY FLEXIBILITY	FITNESS TRAINING-JOGGING,SHUTTLE RUN	STRENGTH,SPEED & ENDURANCE
RELAY RACE	IMPROVEMENT OF STAMINA	<b>PROJECT</b> -CRICKET,FOOTBALL,BASKETBALL	
SPOON & MARBLE RACE	BALANCING SKILL		
BALANCE RACE	BALANCING		
TUG OF WAR	TESTING OF STRENGTH		

\* THE MARKED ACTIVITIES WILL BE CONTINUED THROUGHTOUT THE SESSION

**SUPW**  
**CLASS XII**  
**SYLLABUS 2018-2019**

- 1 Each One Teach One
- 2 Candle Making
- 3 Bamboo Work
- 4 Block Printing
- 5 Plaster of Paris work
- 6 Visit to Shishu Bhawan