SYLLABUS OF ECONOMICS FOR CLASS XI / 2018-19	
TERM I	
23rd April – 12th May	Statistics • Introduction • Collection of data-basic concepts
2nd July – 19th July	Statistics • Collection of data • Organisation of data
20th July – 7th August	Statistics • Presentation of data • Arithmetic Mean • Introduction of Project Micro Economics • Introduction • Production Possibility Curve • Opportunity Cost • Marginal Utility Theory • Indifference Curve Theory
31st August – 7th September	Revision
TERM II	
26th September – 12th October	Statistics • Median & Quartiles • Mode • Measures of Dispersion – Range & Quartile Deviation
22nd October – 17th November	Statistics • Measures of Dispersion – Mean Deviation & Standard Deviation Micro Economics • Production
19th November – 13th December	Micro Economics • Production • Cost
24th December – 19th January	Micro Economics • Revenue & Market Forms • Producer's Equilibrium Statistics • Index Numbers
21st January – 11th February	Micro Economics • Market Equilibrium Project Viva
12th February – 21st February	Revision

BUSINESS STUDIES

TERM I

23 April – 11 May	Ch.1 Nature & Purpose of Business Ch.2 Forms of Business Organisation (till partnership)
2 July – 19 July	Ch.2 Forms of Business Organisations (contd.)
20 July – 7 August	Ch.3 Public, Private and Global Enterprises
8 August – 30 August	i) Ch.4 Business Services ii) Ch.6 Social Responsibility of Business and Business Ethics
31 August – 7 September	Revision

TERM II

26 September – 12 October	Ch. 5 Emerging Modes of Business
22 October – 17 November	Ch. 7 Sources of Business Finance
19 November – 13 December	Ch. 7 Sources of Business Finance (contd.) Ch. 8 Small Business
24 December – 19 January	Ch. 9 Internal Trade
21 January – 11 February	Ch. 10 International Business
12 February – 21 February	Project work + Revision

Class-XI, Chemistry Syllabus, 2017-18

CYCLE	UNIT	TITLE
2nd April – 30th April	1	Some basic concepts of Chemistry
1st May – 12th May	1 (ctd.) 14 2	Some basic concepts of Chemistry Environmental Chemistry Structure of Atom
2nd July – 19th July	2 (ctd)	Structure of Atom
20th July – 7th August	3 4	Classification of Elements and Periodicity in Properties Chemical Bonding & Molecular Structure
8th August – 30th August	4 (ctd.) 5	Chemical Bonding & Molecular Structure States of Matter (Gas & Liq)
31st August – 7th September		Revision
26th September – 12th Oct.	8 10 11	Redox Reaction s-block Elements p-block Elements
22nd October – 17th Nov.	12 13	Organic Chemistry – some basic principles and techniques Hydrocarbons
19th November – 13th Dec.	13 6	Hydrocarbons (ctd.) Chemical Thermo-dynamics
24th December – 19th Jan.	6 9	Chemical Thermodynamics Hydrogen
21st January – 11th February	7	Equilibrium
12th February – 21st Feb.		Revision

ENGLISH SYLLABUS / XI

Term I	Term II
23rd April – 30th April Letter to the English teacher The Portrait of a Lady **1st May – 11th May** A Photograph Summer of the beautiful White house Notice **2nd July – 19th July** The Address Discovering Tut The Laburnum Top Poster Note Making **20th July – 7th August** Voice of the Rain We've not afraid to die Handscape of the soul Article writing **8th August – 30th August** Letter to the Editor Ranga's Marriage Reading comprehension Albert Einstein at School The Silk Road Note Making **1st September – 10th September** Writing skills – revision Grammar Practice Literature revision	**26th September – 12th October** Childhood Father to Son The Adventure Mother's day **22nd October – 17th November** Birth Reading Comprehension Article Writing **19th November – 13th December** The Browning Version Note making Practice Public Speaking Rounds **24th December – 19th January** The Ailing Planet The Ghat of the Only World The tale of Melon city **21st January – 11th February** Advertisements To let / Lost / Found / Situ wanted / Sale / Purchase Letter Writing Enquiry / Complaint / Order Reading Comprehension Literature Revision **12th February – 21st February** Grammar Revision Note Making Writing skills - Revision

CLASS XI-PHYSICS 2018-19

23rd April – 12th May 2018

Unit 1 : Physical World and Measurement

Chapter – 1 : Physical World
Physics – Scope and excitement; nature of physical laws; Physics technology and society.

Chapter–2: Units and Measurements
Need for measurement: Units of measurement; systems of units; SI units, fundamental and derived units. Length, mass and time measurements; accuracy and precision of measuring instruments; errors in measurement; significant figures.
Dimensions of physical quantities, dimensional analysis and its applications.
Scalar and vector quantities; Position and displacement vectors, general vectors and their notations; equality of vectors, multiplication of vectors by a real number; addition and subtraction of vectors. Relative velocity. Unit vector; Resolution of a vector in a plane - rectangular components. Scalar and Vector product of vectors.

2nd July – 19th July 18

Unit II: Kinematics

Chapter–3: Motion in a Straight Line
Frame of reference, Motion in a straight line: Position-time graph, speed and velocity.
Elementary concepts of differentiation and integration for describing motion.Uniform and non-uniform motion, average speed and instantaneous velocity. Uniformly accelerated motion, velocity time and position-time graphs.
Relations for uniformly accelerated motion (graphical treatment).
Chapter–4: Motion in a Plane
Motion in a plane, cases of uniform velocity and uniform acceleration-projectile motion. Uniform circular motion.

Unit III: Laws of Motion
Chapter–5: Laws of Motion
Intuitive concept of force. Inertia, Newton's first law of motion; momentum and Newton's second law of motion; impulse; Newton's third law of motion.
Law of conservation of linear momentum and its applications.

20th July – 7th August 2018

Equilibrium of concurrent forces, Static and kinetic friction, laws of friction, rolling friction, lubrication.
Dynamics of uniform circular motion : Centripetal force, examples of circular motion (vehicle on a level circular road, vehicle on a banked road).

Unit IV: Work, Energy and Power
Chapter–6: Work, Engery and Power
Work done by a constant force and a variable force; kinetic energy, work-energy theorem, power.
Notion of potential energy, potential energy of a spring, conservative forces: conservation of mechanical energy (kinetic and potential energies); non-conservative forces: motion in a vertical circle; elastic and inelastic collisions in one and two dimensions.

08th August – 30th August 2018

Unit V: Motion of System of Particles and Rigid Body

Chapter–7: System of Particles and Rotational Motion
Centre of mass of a two-particle system, momentum conservation and centre of mass motion.
Centre of mass of a rigid body; centre of mass of a uniform rod.
Moment of a force, torque, angular momentum, laws of conservation of angular momentum and its applications.
Equilibrium of rigid bodies, rigid body rotation and equations of rotational motion, comparison of linear and rotational motions.
Moment of inertia, radius of gyration.Values of moments of inertia, for simple geometrical objects (no derivation). Statement of parallel and perpendicular axes theorems and their applications.

REVISION FOR SEMESTER I

26th September – 12th October 2018

Unit VI: Gravitation

Chapter–8: Gravitation

Kepler's laws of planetary motion, universal law of gravitation.

Acceleration due to gravity and its variation with altitude and depth.

Gravitational potential energy and gravitational potential, escape velocity, orbital velocity of a satellite, geo-stationary satellites.

22nd October - 17th November 2018

Unit VII: Properties of Bulk Matter

Chapter–9: Mechanical Properties of Solids

Elastic behaviour, Stress-strain relationship, Hooke's law, Young's modules, bulk modulus, shear modulus of rigidity, Poisson's ratio; elastic energy.

Chapter–10: Mechanical Properties of Fluids

Pressure due to a fluid column; Pascal's law and its application(hydraulic lift and hydraulic brakes) effect of gravity on fluid pressure.

Viscosity, Stokes' law, terminal velocity, streamline and turbulent flow, critical velocity, Bernoulli's theorem and its applications.

Surface energy and surface tension, angle of contact, excess of pressure across a curved surface, application of surface tension ideas to drops, bubbles and capillary rise.

19th November – 13th December 2018

Chapter–11: Thermal Properties of Matter

Heat, temperature, thermal expansion; thermal expansion of solids, liquids and gases, anomatous expansion of water; specific heat capacity; Cp, Cv – calorimetry; change of state-latent heat capacity.

Heat transfer-conduction, convection and radiation, thermal conductivity, qualitative ideas of Blackbody radiation, Wein's displacement law, Stefan's law, Green house effect.

Unit VIII: Thermodynamics

Chapter–12: Thermodynamics

Thermal equilibrium and definition of temperature (zeroth law of thermodynamics), heat, work and internal energy. First law of thermodynamics, isothermal and adiabatic processes.

Second law of thermodynamics : reversible and irreversible processes, Heat engine and refrigerator.

24th December – 19th January 2019

Unit IX: Behaviour of Perfect Gases and Kinetic Theory of Gases

Chapter–13: Kinetic Theory

Equation of state of a perfect gas, work done in compressing a gas.

Kinetic theory of gases – assumptions, concept of pressure. Kinetic interpretation of temperature; rms speed of gas molecules; degrees of freedom, law of equi-partition of energy (statement only) and application to specific heat capacities of gases; concept of mean free path, Avodadro's number.

Unit X: Mechanical Waves and Ray Optics

Chapter–14: Oscillations and Waves

Periodic motion – time period, frequency, displacement as a function of time, periodic functions. Simple harmonic motion (S.H.M) and its equation; phase; oscillations of a loaded spring-restoring force and force constant; energy in S.H.M. Kinetic and potential energies; simple pendulum derivation of expression for its time period.

Free, forced and damped oscillations (qualitative ideas only), resonance.

21st January – 11th February 2019

Wave motion : Transverse and longitudinal waves, speed of wave motion, displacement relation for a progressive wave, principle of superposition of waves, reflection of waves, standing waves in strings and organ pipes, fundamental mode and harmonics, Beats, Doppler effect.

Chapter–15: Ray Optics

Ray Optics : Reflection of light, spherical mirrors formula, refraction of light, total internal reflection and its applications, optical fibres, refraction at spherical surfaces, lenses, thin lens formula lensmaker's formula, magnification, power of a lens, combination of thin lenses in contact, refraction and dispersion of light through a prism.

Scattering of light – blue colour of sky and reddish appearance of the sun at sunrise and sunset.

12th February – 21st February 2019

Optical instruments : Microscopes and astronomical telescopes (reflecting and refracting) and their magnifying powers.

Revision

SYLLABUS PLANNING SOCIOLOGY XI / 2018-19

TIME PERIOD	CHAPTERS TO COVERED	NAME OF THE CHAPTERS/TOPICS
23rd April – 12th May	Book 1 Ch.1 - Society, Sociology & Relationship to other Social Sciences	Complete
2nd July – 19th July	Book 1 Ch.2 - Basic Concepts	Complete
20th July – 7th August	Book 1 Ch.3 - Social Insritutions	Complete
8th August – 30thAugust	Book 1 Ch.4 - Culture & Society	Complete
31st August – 7th September	Revision	Starting with individual research file discussions
1 OCT - 31 OCT	Chapter 4 (book 1) Chapter 5 (book 1)	Culture & Society Research Methodology
1 NOV - 15 NOV	Chapter 4 (book 2) File Discussions	Western Social Thinkers
16 NOV - 30 NOV	Chapter 5 (book 2) File Discussions	Indian Sociologists
1 DEC - 15 DEC	Chapter 1 (book 2) Chapter 2 (book 2) (first half) File Discussions	Structure, Process and Stratification Social Change
16 DEC - 31 DEC	Chapter 2 (book 2) (second half) Chapter 3 (book 2) (first half) File Discussions	Social Change Environment and Society
8 JAN - 20 JAN	Chapter 3 (book 2) (second half) File Discussions	Environment and Society
21 Jan - 28 Feb	Revision	

FIRST & SECOND TERMINAL SYLLABUS OF MATHS FOR CLASS 11	
23rd April -11th May	**Chapter 1** Definition of a set Operations on sets Venn diagrams **Chapter 6** Linear inequality in 1 variable – graphical and algebraic solution Linear inequality in 2 variable – graphical solution
2nd July- 19th July	**Chapter 3 started** Angles and its different units Trigonometric ratios of compound angles Sum and product formulae
20th July - 4th Aug	**Chapter 3 continued** Trigonometric equations **Chapter 10 started** Concept of slope in Straight lines Different forms of a lines
6th Aug - 20th Aug	**Chapter 10 continued** Family of lines Parallel and perpendicular lines wrt family of lines **Chapter 4** Principle of mathematical induction Series questions Factor questions Inequality questions
21th Aug – 4th Sept	**Chapter 12** Concept of 3D geometry Distance, Section formulae Locus in 3D **Chapter 11** Circles as a conic section
29th Sept – 12th Oct	**Chapter 11 continued** Parabola, Ellipse and Hyperbola **Chapter 12** 3D Geometry
22nd Oct – 17th Nov	**Chapter 9** Arithematic Progression Geometric progression Special sequences **Chapter 7 started** Permutations
19th Nov – 13th Dec	**Chapter 7 continued** Combinations **Chapter 8** Binomial Distribution formula General term, middle term and special terms **Chapter 16** Probability of different events Sample space for complex experiments
24th Dec – 19th Jan	**Chapter 2 continued** Cartesian product Relations- Domain, Range and Co- Domain Functions – standard and application **Chapter 13** Limits using factorisation, rationalisation, formulae Derivatives- product, quotient and Chain Rule
21st Jan – 11th Feb	**Chapter 15** Central tendencies and deviations around them

Political Science Syllabus / Class XI

Book I – Indian Constitution at work

TERM I		
2nd April – 30th April	Unit I	Constitution why and how and philosophy of the constitution
1st May – 12th May	Unit II	Rights of the Indian Constitution
2nd July – 19th July	Unit III Unit X Unit XI	Elections and Representation Political Theory : An Introduction (Book II-Political Theory) Freedom
20th July – 7th August	Unit XI Unit XII	Freedom (Contd) Equality
8th August – 30th August (Book I)	Unit IV Unit V Unit VI	Executive Legislature Judiciary
31st August – 7th September	Unit VI	Judiciary (contd.) Revision
TERM II		
26th September – 12th October (BooK II)	Unit 13 Unit 14	Social Justice Rights
22nd October – 17th November (BooK II)	Unit 15 Unit 16	Citizenship Nationalism
19th November – 13th December (Book II)	Unit 17 Unit 19	Peace Development
24th December – 19th January (Book II)	Unit 19 Unit 18	Development (contd.) Secularism
21st January – 11th February (Book I)	Unit 7 Unit 8 Unit 9	Federalism Local government Constitution as a living Document

FIRST TERMINAL SYLLABUS OF HISTORY FOR CLASS 11	
TERM I	
23rd April -12th May	• From the beginning of time • Introduction to civilization
2nd July- 19th July	• Writing and city life
20th July - 7th Aug	• An Empire across three continents • Central Islamic lands
8th Aug - 30th Aug	• Central Islamic (contd) • The Three orders • Changing cultural tradition (till pg 157)
31st Aug – 7th Sep.	Revision
Project – Mongol, Empire (15 marks)	
TERM II	
26th Sep – 12th Oct.	• Change cultural traditions (from pg 157) • Confrontation of cultures Project work to be discussed
22nd Oct – 17th Nov.	• Completion of industrial revolution • Displacing Indigenous peoples (intro)
19th Nov. – 13th Dec.	• Displacing Indigenous Peoples
24th Dec. – 19th Jan.	• Paths to modernizaiton (Japan)
21st Jan – 11th Feb.	• Path to Modernizaiton (china)
12th Feb – 21st Feb	Revision
Submission of Project – 1st February	

SYLLABUS OF CLASS 11TH ACCOUNTANCY (2018-19)	
DURATION	**COURSE CONTENT PLANNED**
23RD APR-30TH APR	1.INTRODUCTION TO ACCOUNTING 2.BASIC TERMS OF ACCOUNTING
1ST MAY-12TH MAY	1.THEORY BASE OF ACCOUNTING AND IFRS 2.CASH AND ACCRUAL BASIS OF ACCOUNTING 3.VOUCHERS AND OTHER SUPPORTING DOCUMENTS.
2ND JULY-19TH	1.ACCOUNTING EQUATION 2.JOURNAL
20TH JULY-7TH AUG	1.LEDGER AND TRIAL BALANCE 2.CASH BOOK
8TH AUG-30TH AUG	1.SUBSIDIARY BOOKS 2.BANK RECONCILIATION STATEMENT 3.FINANCIAL STATEMENTS(WITHOUTADJUSTMENTS)
31ST AUG-7TH SEPT	REVISION
26TH SEPT-12THOCT	1. FINANCIAL STATEMENTS(WITH ADJUSTMENTS) 2.PROVISION AND RESERVES
22ND OCT-17TH NOV	1.DEPRECIATION 2.BILLS OF EXCHANGE
19TH NOV-13TH DEC	1. BILLS OF EXCHANGE(CONTD) 2.SINGLE ENTRY
24TH DEC-19TH JAN	1.RECTIFICATION OF ERRORS 2.NPO (CHAPTER OF CLASS 12 WILL BE TAUGHT IN 11TH ITSELF)
21ST JAN-5TH FEB	1.NPO (CONTD)
11TH FEB-21ST FEB	REVISION

SYLLABUS OF CLASS 11TH PHYSICAL EDUCATION (2018-19)			
UNIT N0.	**UNIT NAME**	**DATE**	**TOPICS**
1	CHANGING TRENDS AND CAREER IN PHYSICAL EDUCATION	23 APRIL – 30 APRIL	Meaning and definition of physical education Aim and objective of physical education Changing trends in physical education Various physical education courses available in india Career option in physical education Soft skills required for different career
2	OLYMPIC MOVEMENT	1 MAY – 12 MAY	Ancient and modern olympics (summer and winter) Olympic symbols , ideals, objective and values International olympic committee Indian olympic association Dronacharya award , Arjuna Award , Rajiv Gandhi Khel Ratna Award Organisational setup of CBSE sports and Chacha Nehru sports award
3	PHYSICAL FITNESS , WELLNESS, AND LIFESTYLE	2 JULY – 15 JULY	Meaning and importance of physical fitness , wellness and lifestyle Components of physical fitness Components of health related fitness Components of wellness Preventing health threats through lifestyle change Concept of positive lifestyle
4	PHYSICAL EDUCATION AND SPORTS FOR DIFFERENTLY ABLED	16 JULY - 31 JULY	Aims and objectives of adaptive physical education organisation promoting adaptive sports (special olympic bharat , paralympics , deaflympics) Concept and need of integrated physical education Concept of inclusion , its need and implementation Role of various professional for children with special needs (counsellor, occupational therapist,physiotherapist, physical education teacher, speech therapist and special educator)
5	YOGA	1 AUG. – 14 AUG.	Meaning and importance of yoga Elements of yoga Introduction-asanas, pranayam, meditation and yogickriyas Yoga for concentration and related asanas (sukhasana, tadasanas, padmasana, shashankasana) Relaxation technique for improving concentration - yog nidra
6	PHYSICAL ACTIVITY AND LEADERSHIP TRAINING	16 AUG. - 30 AUG.	Introduction to physical activity and leadership Qualities and role of a leadership Behavior change stages for physical activity (pre-contemplation; contemplation; planning; active; maintenance) Creating leader through physical education Meaning , objective and types of adventure sports (rock-climbing, trekking, river rafting ,mountaineering, surfing and paragliding) Safety measures during physical activity and adventure sports
7		31 AUG. – 7 SEP	REVISION

SEM II / PHYSICAL EDUCATION

26TH September – 12th October 2018

UNIT VII : TEST AND MEASUREMENT IN SPORTS

- Define test and measurement
- Importance of test and measurement in sports
- Calculation of BMI & Waist-Hip ratio
- Somato types (Endomorphy, Mesomorphy & Ectomorphy)
- Procedures of Anthropromatric measurement – Height, Weight, Arm & legs, length & skin fold

22nd October – 17th November 2018

UNIT VIII : FUNDAMENTALS OF ANATOMY AND PHYSIOLOGY

- Define anatomy, physiology and its importance
- Function of skeleton system, classification of bones and types of joints
- Properties of muscle
- Functions and structure of muscle
- Function and structure of Respiratory system, mechanism of respiration.
- Structure of heart and introduction to circulation system.
- Oxygen Debt and Second wind.

19th November – 13th December 2018

UNIT IX : KINESIOLOGY, BIOMECHANICS AND SPORTS

- Meaning and importance of Kinesiology biomechanics in physical education and sports
- Levers and its types and its application in sports
- Equilibrium-dynamic and static, centre of gravity and its application in sports.
- Force-centrifugal and centripetal and its application in sports
- Introduction to buoyancy force

UNIT X : PSYCHOLOGY AND SPORTS

- Definition and importance of psychology in physical education and sports
- Define and differentiate between growth and development
- Developmental characteristics at different stages of development
- Adolescent problem and their management
- Define learning, laws of learning and transfer of learning
- Plateau and causes of plateau
- Emotion : concept, types and controlling of emotion

24th December – 19th January 2018

UNIT XI : TRAINING IN SPORTS

- Meaning and concept of sport training
- Principle of sports training
- Warming up and Limbering down
- Load, symptoms of overload, Adaptation and Recovery
- Skill, technique and style
- Role of free play in the development of motor component

UNIT XII : Doping

- Concept & Classification of Doping
- Prohibited substances of method
- Athletes Responsibilities
- Side effects of Prohibited Substance
- Ergogenic Aids & Doping in sports
- Doping control Procedure

21st January – 11th February 2018

Revision

SYLLABUS OF PSYCHOLOGY FOR CLASS XI / 2018-19	
TERM I	
23rd April – 12th May	Introduction to Psychology Chapter 1 : What is Psychology
2nd July – 7th August	Chapter 2 : Methods of Enquiry in Psychology Introduction of Research work + Project
8th August – 30th August	Chapter 3 : The bases of human behaviour Chapter 4 : Human development
31st August – 7th September	Revision
TERM II	
26th September – 12th October	Chapter 5 : sensory, attentional of perceptual processes Chapter 6 : learning (till observational learning)
22nd October – 17th November	Chapter 6 : Learning (Chapter to be completed)
19th November – 13th December	Chapter 8 : Thinking Chapter 9 : Motivation of Emotion
24th December – 19th January	Practical : Introduction & completion of experimental file
21st January – 11th February	Chapter wise revision & practice of Mock papers
12th February – 21st February	Revision

SYLLABUS OF BIOLOGY FOR CLASS XI / 2018-19	
TERM I	
23rd April – 12th May	Chapter 16 : Digestion and Absorption Chapter 17 : Breathing and Exchange of gases
2nd July – 7th August	Chapter 18 : Body fluids and circulation Chapter 19 : Excretory Products and their elimination Chapter 20 : Locomotion and Movement
8th August – 30th August	Chapter 21 : Neural Control and coordination Chapter 22 : Chemical coordination and Integration
31st August – 7th September	Revision
TERM II	
26th September – 12th October	Chapter 11 : Transport in Plants Chapter 12 : Mineral Nutrition Chapter 13 : Photosynthesis
22nd October – 17th November	Chapter 14 : Respiration in Plants Chapter 15 : Plant Growth and Development
19th November – 13th December	Chapter 8 : Cell – unit of life Chapter 9 : Bio molecules Chapter 10 : Cell cycle and Cell Division
24th December – 19th January	Chapter 5 : Morphology of Flowering Plants Chapter 6 : Anatomy of Flowering plants Chapter 7 : Structural Organisation of Animals
21st January – 11th February	Chapter 3 : Plant Kingdom Chapter 4 : Animal Kingdom
12th February – 21st February	Revision