SYLLABUS FOR 2020-21
Class:-XII

ENGLISH

MONTH	PROSE/LESSON NO.	POETRY/LESSON NO.	GRAMMAR COMPOSITION
APRIL	After Twenty Years Forgetting	Once Upon A Time	ARTICLES PREPOSITIONS CONJUCTIONS LETTER WRITING DIARY ENTRY
May-June	Leh Scare Crow	Punishment In Kindergarten	Conditional Clauses MODALS REPORT WRITING NOTICE
July-Aug	The Sniper The Letter 'A'	After Apple Picking	Relative Clauses Article Writing Advertisement
SEPTEMBER OCTOBER	Dr. C.V. Raman Love Across The Salt Desert The Gumdrop Affair	Sunrise When The Autumn Came	Narration Dialogue Writing Compound and Complex Poster designing
NOVEMBER	Cock Fight	Inklings From The Dark	Active Passive
DECEMBER	The Rule Of The Road PRE BOARD I	REVISION OF POETIC DEVICES, & REFRENCE TO CONTEXT WITH EXPLANATION	C.V./Resume E-mail
JANUARY	PRE BOARD II		

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FUNCTIONAL ENGLISH

MONTH	PROSE/LESSON NO.	LANGUAGE SKILLS
APRIL	SOME HILL STATIONS GHOSTS THE RIGHTFUL INHERITORS OF THE EARTH	Note –Making Advertisement Seen/ Unseen comprehension passage
May-June	HA' PENNY	Memorandum Poetic techniques
Jul-Aug	THE DEVIL OUTWITTED DON'T CALL OUT OR YOU WILL BE SHOT	Circular Write A Short Note on- Dialect
SEPTEMBER	THE TURNING POINT ABRAHAM LINCON'S LETTER TO HIS SON'S TEACHER	Report Writing Editing & proof reading Short note on -Dialect
OCTOBER	POLAR MELT DOWN TAKING UP THE CHALLANGE	Editing And Proof Reading How To Face The Audience Short Note On –Accent
NOVEMBER	FORESTS- DESPERATE MEASURES NEEDED THE COUNT'S REVENGE	Tables And Their Interpretation Summary Of Main Points Short Note On – Register & Style
DECEMBER	THE SECRETS OF MACHINES PRE BOARD I	REVISION OF ALL LANGUAGE SKILLS
JANUARY	PRE BOARD II	

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CHEMISTRY

MONTH	CHAPTER	EXPERIMENT
April	Haloalkenes&Haloarenes; Alcohols,phenols&Ether	1.Volumetric Analysis(Titration)
May	Aldehyde, ketones and carboxylic acids Amines	2.To study the rate of reactions-Clock reaction 3. To study the cell potential of electrochemical cell
June-July	d & f –block elements	4. To Prepare Potash alum.
August	p-block elements & Surface Chemistry	5. Preparation of one lyophilic and one lyophobic sol- Starch/gum/egg albumin.
September	Coordination Chemistry ; & General principles in Extraction of metal + Revision	6. To prepare Acetanilide o P-nitroacetanilide.
October	solid state & solution	7.Functional group analysis-Alcoholic/phenolic/aldehydic/ Ketonic ,Carboxylic& amino.
November	Electrochemistry	8.Qualitative Analysis.-To determine one cation& anion in a given salt.
December	Biomolecules/ polymer Revision	9.Project work- Common Food adulterants Quantity of Casein in milk Preparation of Soyabean milk

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BIOLOGY

MONTH	LESSON NO./CHAPTER	EXPERIMENT/PRACTICALS
APRIL	1)Human Reproduction 2)Reproductive Health	1) Study of pollen germination on a slide. 2) Identification of stages of gamete development through permanent slides.
MAY-JUNE	1) Principle of Inheritance and Variation 2) Molecular Basis of Inheritance	1) Preparation of temporary mount of onion root tip. 2) Study of flowers adapted to pollination by different agencies.
JULY-AUGUST	1)Evolution 2)Human Health and Diseases	1) Study of plant population density and frequency by Quadrate method.
SEPTEMBER	1)Biotechnology: Principles and Processes 2)Biotechnology and its Applications	1)Field visit 2) Prepared Pedigree charts of genetic traits.
OCTOBER	1)Strategies for Enhancement in food production 2)Microbes in Human Welfare	1) Observation of T.S Blastula through permanent prepared slide. 2) Identification of common diseases causing organisms.
NOVEMBER	1)Organisms and Population 2)Ecosystem 3)Biodiversity and conservation	1) To study the effect of the different temperature & PH on the activity of Salivary amylase on starch.
DECEMBER	1)Environmental issues Revisions	Pre – boards

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PHYSICS

Month	Topic	Experiments
April	Electrostatics	To determine Resistance per cm of given Wire using Ohm's law.
May	Current electricity	To find resistance of a given wire using metre bridge and hence find resistivity. To verify laws of combination of resistance Using metre bridge.
June	Magnetics effects of current and Magnetism	To determine emf of two given primary cell Using potentiometer .
July	Electro-magnetic induction and AC	To determine internal resistance of a given cell using potentiometer.
August	EM Waves	To find focal length of a convex mirror.
September	Optics	To find focal length of a concave lens.
October	Dual nature of matter and radiation	To find the focal length of convex lens by plotting a graph between u and v. To find angle of minimum deviation.
November	Atoms and Nuclie	To determine refractive index of a glass slab using a travelling microscope.
December	Electronic Devices	To draw I-V characteristics curve of a p-n junction in forward bias and reverse bias.
January	Communication	To draw the characteristic curve of a zener diode and determine its reverse breakdown voltage.

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BUSINESS STUDIESCLASS

MONTH	TOPIC / CHAPTER NO.
April	3. Business Environment 4. Planning
May - June	5. Organising 6.Staffing
July - August	7.Directing 8.Controlling
August	9. Financial Management 10.Financial Markets
September	11. Marketing Management
October	12. Consumer Protection
November	Revision
December	Mock Test
January	Mock Test

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ECONOMICS

(MICRO ECONOMICS)	
MONTH	**TOPIC**
APRIL	4.Theory of Demand 5.Price Elasticity of Demand 6.Production Function and Returns to a Factor
MAY-JUNE	7.Concepts of Cost 8.Concept of Revenue 9.Producer's Equilibrium
JULY-AUGUST	10.Theory of Supply 11.Forms of Market 12.Market Equilibrium Under Perfect Competition and Effects Of Shifts in Demand and Supply
MACRO ECONOMICS	**MACRO ECONOMICS**
SEPTEMBER	1.Some Basic Concepts of Macroeconomics 2.National Income and Related Aggregates 3.Methods of Calculating National Income
OCTOBER	4.Money and Supply of Money 5.Banking:Commercial Banks and the Central Bank 6.Aggregate Demand and its Components
NOVEMBER	7.Short Run Equilibrium Output 8.Problem of Deficient Demand and Excess Demand 9.Government Budget and the Economy
DECEMBER	10.Foreign Exchange Rate 11.Balance of Payments
JANUARY	REVISION AND MOCK TESTS

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ACCOUNTS

Month	Topics **Part A**
April	Ch-1 Partnership Basic Concepts Ch-2 Goodwill – Nature & Valuation Ch-3 Reconstitution of Partnership
May	Ch-4 Admission of a Partner Ch-5 Retirement & Death of a partner
June to July	Ch-6 Dissolution of Partnership Firm Ch-7 Share capital Issue of share capital
August	Ch-8 Issue of Debentures Ch-9 Redemption of Debentures
September to October	**Part B** Financial Statement Analysis
November	Revision of Part A
December	Revision of Part B

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PUBLIC ADMINISTRATION

Month	Topic
April	Ch -1.HISTORICAL BACKGROUND
May-June	Ch -2. INDIAN CONSTITUTION. Ch -3. CENTRAL ADMINISTRATION .
July-August	Ch -4. PERSONNEL ADMINISTRATION IN INDIA Ch -5. PLANNING IN INDIA
September	Ch -6. CENTRE –STATE RELATIONSHIP Ch -7. STATE ADMINISTRATION
October	Ch -8.DISTRICT ADMINISTRATION
November	Ch -9.RURAL AND URBAN GOVERNMENT Ch -10. E- GOVERNANCE

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POLITICAL SCIENCE

Month	Topic/ Lesson No.
April	L.No 1. Cold war Era In World Politics L. No.2 –Disintegration Of Second World & Collapse . L.No 3 –US Dominance In World Politics .
May-June	L.No -4 .Alternative Centres Of Economic &Political Power. L.No.5-South Asia In The Cold War Era L.No.6 –International Organisation In A Unipolar World L.No 7- Security In Contemporary World
July-August	L.No-8 Globalisation And Its Critics L.No-9 Environment And Natural Resources L.No.10 Nation Building And Its Problems .
September	L.No 11 Era Of One Party Dominance L.No.12 Politics Of Planned Development L.No.13 India s External Relations
October	L.No -14 Challenges And Restoration Of Congress System L.No 15 Crisis Of Constitutional Order
November	L.No 16 Regional Aspirations &Conflicts L.No.17 .Rise Of New Social Movement . L,No 18 – Recent Developments In Indian Politics .

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PHYSICAL EDUCATION

MONTH	TOPIC
April	Concept of physical fitness
May	Training Methods
July & August	Sociological Aspects of Physical Education
September	Moral Education
October	Sports & Environment
November	Yoga & Practices
December	Concepts OF Major Games & Sports: 7.1:- CRICKET 7.2:- ATHLETICS 7.3:- BASKETBALL 7.4:- TABLE TENNIS
January	Sports Medicine , FIRST Aid & Rehabilitation
Febuary	Revision

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VALUE EDUCATION

Month	Topic
April	L8.My Body- A Gift
May	L9.Fascinating Illusion
July	L10.Caught in the Net
August	L11.Earth's Future in My Hands
September	L12.Real and Reel Violence
October	L13.Sex in Media
November	L14.Lights of the World

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MATHS

Month	Topic
April	Matrices
May	Determinants and Continuity and differentiability
July + August	Application of derivatives and Relations and Functions Inverse Trigonometric function
September	Integral and Probability.
October	Applications of integrals Differential equations
November	Three dimensional geometry. Linear programming
December	vector algebra+ Revision.

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COMPUTER

Month	Topic
April	Programming in C++
May	Object Oriented Programming Implementation of OOP concepts in C++ Constructor and Deconstructor
July	Inheritance(Extending Classes) Data File Handling
August	Pointers Data Structures Arrays Stacks
September	Databases and SQL Database Concepts Structured Query Language SQL Commands
October	Boolean Logic Communication and open source Data communication Technologies Transmission Media Networking devices
November	Network Topologies and types Network Protocol Network Security Concepts Web Service Open Source Terminologies