

SYLLABUS FOR 2022-23

Class:-XI

ENGLISH

ENGLISH	CLASS XI	Lect. ZEENAT KHAN	FLAMINGO HORNBILL
MONTH	PROSE	POEM	GRAMMAR
APRIL	The Portrait Of The Lady (Khushwant Singh) The Summer Of The Beautiful White Horse (William Saroyan)	A Photograph (Shirley Toulson)	Tenses, Poster
May-June	We Are Not Afraid To Die If We Can All Be Together (Gordon Cook and Alan East) The Address (Marga Minco)		Determiners, advertisement
July-Aug	Discovering Tut: The Saga Continues (A.R. Williams) Ranga's Marriage (Masti Venkatesha Iyengar)	The Laburnum Top (Ted Hues)	Punctuation, Notice
SEPTEMBER	The Landcape Of The Soul (Nathalie Trouveroy) Albert Einstein At School(Patrick Pringle)	The Voice Of The Rain (Walt Whitman)	Modals, E-mail
OCTOBER	REVISION FOR T1		REVISION FOR T1
NOVEMBER	The Ailing Planet: The Green Movement's Role (Nani Palkhivala) Mother's Day (J.B.Pristley)	Childhood (Markus Natten)	Conjunctions Letter Writing
DECEMBER	The Browning Version (Terence Rattigan) The Ghat Of The Only World (Amitav Ghosh)	The Tale Of Melon City (Vikram Seth)	Prepositions Essay Writing
JANUARY	The Adventure (Jayant Narlikar) BirthA.J. Cronin)	Father To Son (Elizabeth Jennings)	Paragraph Writing
FEBRUARY	The Silk Road (Nick Middleton)		
MARCH	REVISION FOR T2	REVISION FOR T2	REVISION FOR T2
APRIL	T2 EXAMS		

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CHEMISTRY

MONTH	CHAPTER	EXPERIMENT
APRIL	Some basic concepts of chemistry Atomic structure	Basic Lab. Techniques
MAY	Classification and periodicity of elements Chemical bonding	Characterization and purification of chemical substances
JUNE-JULY	States of matter	PH of samples
AUGUST	Thermodynamics Equilibrium	To study Reaction involving equilibrium
SEPTEMBER	Redox Hydrogen	Titration
OCTOBER	S & p- block elements	Qualitative Analysis-1
NOVEMBER	Hydrocarbons Some basic principles and techniques	Qualitative Analysis-2
DECEMBER	Environmental chemistry Revision	Revision

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BIOLOGY

Month	Topic /lesson	Experiments/Practical's
APRIL	1.The living world 2. Biological Classification	1)Study of different parts of a compound microscope.
MAY-JUNE	3. Kingdom Plantae 4.Kingdom Animalia 5. Morphology of Flowering Plants.	2)Study of preserved specimen and identification with reason. 3)Preparation of blood smear
JULY-AUGUST	6.Plant Anatomy 7. Structural organization in Animals. 8.Cell-The Basic Unit of Life	4)Study of plant cell with the help of chart/ model. 5)Study of animal cell with the help of chart / model .
SEPTEMBER	9.Biomolecules 10.Cell division 11.Transport in Plants	6)Study of three locally available flowers from the different families.
OCTOBER	12.Mineral Nutrition 13.Photosynthesis in Plants	7)Visit to any Botanical garden /zoological park. 8) Study of different blood groups.
NOVEMBER	14.Plant Growth and Development 15.Respiration in Plants 16.Digestion and Absorption	9)Study of modifications in root and stem and leaves. 10)Study of rate of transpiration.
DECEMBER	17.Breathing and Exchange of gases 18.Excretion	11)Study of mitosis and meiosis from permanent slides.
JANUARY	19.Locomotion and Movement 20. Body Fluids and Circulation	12)Study of T.S. of monocot and dicot root, stem and leaves.
FEBRUARY	21.Neural Control and Coordination 22.Chemical Control and Coordination	Revisions
MARCH	Revisions	Revisions

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PHYSICS

Month	Topic	Experiments
April	Mathematical Tools	To measure the diameter of small sphere using vernier callipers.
May	Physical World and Measurement	To measure the volume of small cylinder body using vernier callipers.
June	Kinematics-1	To measure the diameter of given wire using screw Gauge.
July	Kinematics-2	To measure thickness of given sheet using screw Gauge.
August	Laws of Motion	To measure radius of curvature of a given spherical surface using spherometer
September	Work, Energy and Power	To find coefficient of friction.
October	Motion of System of Particles and Rigid Body	To find surface tension of water using capillary rise method.
November	Gravitation	To find speed of sound in air using resonance tube.
December	Properties of Bulk Matter	To study relation between the length of wire and tension using sonometer.
January	Thermodynamics	To find force constant of a spring.
February	Behaviour of Perfect Gas and Kinetic Theory Oscillation and Waves	

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ECONOMICS AND STATISTICS

MONTH	CPT NO.	TOPICS	Activities
APRIL	Ch.1	Concepts of Economics & significance of Statistics in Economics	A project can be given to the student on any topic where they can conduct a survey in the school, (eg how many teachers cast their vote, collect the data and can present the data in
	Ch. 2	Collection of Data	
	Ch.3	Census and sample method of Collection of Data	
MAY	Ch. 4	Organisation of Data	
	Ch. 5	Presentation of Data textual and tabular	
JULY-AUGUST	Ch. 6	Diagrammatic presentation of data bar diagrams and pie diagrams	Worksheets and numericals on measures of central Tendency and Measures of Dispersion
	Ch.7	Frequency diagrams - Histogram, Polygon	
	Ch. 8	Arithmetic Line - Graph or Time series graphs	
	Ch. 9	Measures of central tendency - Arithmetic Mean	
	Ch. 10	Measures of Central Tendency- Median and Mode	
SEPTEMBER	Ch. 11	Measures of Dispersion	
	Ch. 12	Correlation	
	Ch. 13	Index Number	
OCTOBER	REVISION & TERM 1		Article on new economy policy
	Ch.1	Indian Economy on eve of Independence	
	Ch.2	Five Year Plan in India - Goals and Achievements	
NOVEMBER	Ch. 3	Features , Problems and Policies of Agriculture	
	Ch. 4	Strategy of Industrial Economic Growth (1947-1990)	
	Ch. 5	Indian' s Foreign Trade	
	Ch.6	Economic Reforms since 1991 or New Economic Policy	
	Ch.7	7. Poverty	
DECEMBER	Ch. 8	Human Capital Formation in India	Group Discussion and Debate on plans and policies
	Ch.9	9. Rural Development	
JANUARY	Ch.10	10. Employment and Unemployment	
	Ch.11	11. Inflation Problems and Policies	
	Ch.12	12. Infrastructure	
FEBRUARY	Ch.13	13.Environment and sustainable development	
	Ch.14	14.Development Experience of India- Pakistan and China Comparative Study	
MARCH		REVISION FOR T2	

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BUSINESS STUDIES

MONTH	CHAPTER NO.	TOPICS	ACTIVITIES
APRIL	Chapter 1	Nature and Purpose of Business	Project on formation of a company and its various stages.
	Chapter 2	Forms of Business Organisations	
MAY	Chapter 3	Private, Public and Global Enterprise	Project on types of Public, Private and Global Enterprises.
	Chapter 4	Business Services	
JULY-AUGUST	Chapter 5	Emerging Modes of Business	Worksheets, video presentation and a Project on resources required for successful e-business implementation.
SEPTEMBER	Chapter 6	Social Responsibility of Business and Business Ethics	
OCTOBER		REVISION & T1	
	Chapter 7	Chapter 7 Formation of Company	
NOVEMBER	Chapter 8	Small Business	
DECEMBER	Chapter 9	Business Finance	Video display on various sources of Business Finance. Worksheets on each topic.
JANUARY	Chapter 10	Internal Trade	
FEBRUARY	Chapter 11	International Business	
MARCH	REVISION FOR T2	REVISION FOR T2	
APRIL	T2 Exams	T2 EXAMS	

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ACCOUNTS

Month	Topics	Books
April	Ch-1 Introduction to Accounting Ch-2 Origin of Transactions Ch-3 Theory Base of Accounting Ch-4 Accounting Equation and Rules of Debit & Credit Ch-5 Journal	
May	Ch-6 Accounting For Goods and Services Tax(GST) Ch-7 Ledger Ch-8 Subsidiary Books- Cash Books Ch-9 Other Subsidiary Books	
June to July	Ch-10 Journal Proper Ch-11 Trial Balance Ch-12 Bank Reconciliation Statement	
August	Ch-13 Depreciation Ch-14 Provisions And Reserves	
September to October	Ch-15 Bills Of Exchange Ch-16 Rectification Errors	
November	Ch-17 Financial Statements (Without Adjustments) Ch-18 Financial Statements (With Adjustments)	
December	Ch-19 Accounts From Incomplete Records Ch-20 Finance Statements of Not-For-Profit Organisations	
January	Ch-21 Introduction To Computer and AIS Ch-22 Automation of Accounting Process Ch-23 Data Base System REVISION AND MOCK TEST	
February	REVISION AND MOCK TEST	

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POLITICAL SCIENCE

Month	Topic
APRIL	L.No. 8 Local Government
	L.No. 1 Making of the Constitution
MAY	L.No.2 Fundamental Rights
	L.No.3 System of Representational Democracy
	L.No.4 Executive on Parliamentary System
JULY- AUGUST	L.No. 5 Legislature
	L.No.6 Judiciary
	L.No. 7 Federalism
SEPTEMBER	L.No. 11 Introduction to Political Theory
	L.No. 12 Freedom
OCTOBER	REVISION
	TI EXAMS
NOVEMBER	L.No. 9 Philosophy of the Constitution
	L.No. 10 Constitution as a living Document
	L.No. 13 Equality
DECEMBER	L.No. 14 Social Justice
	L.No.15 Rights
JANUARY	L.No.16 Citizenship
	L.No.17 Nationalism
	L.No. 18 Secularism
FEBRUARY	L.No.19 Peace
	L.No. 20 Development

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PUBLIC ADMINISTRATION

Month	Topic
April	L.1 - Introduction Meaning/ Scope
May-June	L.2 - Approaches
July-August	L.3 - Classical Thought L.4 - Human Relation
September	L.5 - Principles
October	REVISION (I TERM EXAMINATION)
November	L.6 - Concept L.7 - Public Policy
December	L.8 - Financial Administration
January	L.9 - Accountability And Citizen Administration
February	L.10 - Advancement
March	REVISION (II TERM EXAMINATION)

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PHYSICAL EDUCATION

<u>Month</u>	<u>Topic</u>
May	Concept of Physical Education Psychological Aspects of Physical Education
June & July	Career Aspects in Physical Education
August	Physiological Aspects of Physical Education Health and Family Education
September	Concept of Major Games/ Sports
October	Practical and Revision
November & December	National Games Olympic Games
January & February	Diet and Its Importance in Physical Development Common Sports Injuries and Rehabilitation and Practice

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COMPUTER

Term	Month	TOPICS	
1	April	Unit 1	Computer Fundamentals
	May	Unit 2	Software Concepts
	July	Unit 3	Number System
	August	Unit 4	Programming Methodology
	September	Unit 5	Introduction to C++
	October		Revision
2	November	Unit 6	Programming in C++
	December	Unit 7	User defined Functions
	January	Unit 8	Array and Structures
	February		Revision

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ENVIRONMENT SCIENCE

MONTH	LESSON NO./CHAPTER	EXPERIMENT/PRACTICALS
APRIL	1. Understanding Environment	Visit to nearby lake/river (any water body)
MAY	2. Ecology	Study of plant population density by Quadrata method.
JULY	3. Ecological Interaction and Adaptation	Study of plant population frequency by Quadrata method.
AUGUST	4. Population Ecology	Determination of Temperature of Air
SEPTEMBER	5. Energy Resources	Determination of Temperature of Soil
OCTOBER	6. Earth's Environment & Natural Disasters	Study of different soil samples by collecting soil from different sources
NOVEMBER	7. Environmental Education And Awareness	Visit to a nearby primary/middle school to impart environmental awareness
DECEMBER	8. Environmental Health	Determination of temperature of water
JANUARY	9. Natural Resources	To study PH of different soil samples
FEBRUARY	10. Managing Agriculture	Revision
MARCH	Pre-Boards	Revision

Book prescribed: A text book of biology for class XI published by NCERT.

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MATHS

Month	Topic
April	Sets. Relations and functions Complex Numbers and Quadratic Equations.
May	Linear Inequalities Permutations and Combinations. Sequences and Series
July + August	Trigonometric Functions. Principle of Mathematical Induction. Statistics.
September	Binomial Theorem. Introduction to Three Dimensional Geometry
October	Straight Lines. Revision of T-1 Syllabus
November	Probability. Limits and Derivatives Mathematical Reasoning
December	Conic Sections + REVISION