

KRM VP/2019-20/CLASS XI/FINAL TERM SYLLABUS

ENGLISH	<p><u>Section A (Reading) 20 Marks</u> Comprehension Passage / Poem, Note Making and Summary.</p> <p><u>Section B (Advanced Writing skills and Grammar) 30 Marks</u> Notice, Invitation and Replies, Advertisements, Poster, Letter to the Editor, Letter of Complaint, Job Application, Letter of order and Cancellation, Letter of Enquiry and reply, Application to the Principal, Magazine Article, Speech, Report Writing, Narration, Error Correction, Editing and Omission, Sentence Transformation, Rearrangement of words</p> <p><u>Section C (Literature) 30 Marks</u> <u>Prose:</u> The Portrait of a lady, The Landscape of the Soul, Discovering Tut: The Saga Continues, The Summer of the beautiful White Horse, Address, Birth, Albert Einstein at School. <u>Poetry:</u> Father to Son, The Voice of Rain, Childhood, A Photograph, The Laburnum Top, The Tale of Melon City. <u>Play:</u> The Browning Version, Mother's Day</p>																	
MATHEMATICS	<ol style="list-style-type: none"> 1 Relations and Functions 2 Trigonometric functions 3 Principle of mathematical induction 4 Linear Inequalities 5 Permutations and combinations 6 Binomial Theorem 7 Sequences and Series 8 Straight Lines 9 Conic Sections 10 3-D 11 Limits and Derivatives 12 Statistics 13 Probability 14 Mathematical Reasoning 15 Sets 16 Complex Numbers and Quadratic Equations 																	
PHYSICS	<ol style="list-style-type: none"> 1. Physical World + Units and Measurement [5] 2. Kinematics (Motion in a straight line and motion in a plane) [12] 3. Laws of Motion [8] 4. Work, energy and power [8] 5. System of particles and rotational motion [6] 6. Gravitation [6] 7. Properties of bulk matter(Mechanical properties of solids and fluids) [10] 8. Thermodynamics + Thermal properties of matter [4] 9. Behaviour of perfect gas and kinetics theory [3] 10. Oscillations and Waves [8] 																	
CHEMISTRY	<table border="1"> <tr> <td data-bbox="424 1760 491 1794">I</td> <td data-bbox="491 1760 1318 1794">Some Basic Concepts of Chemistry (4)</td> </tr> <tr> <td data-bbox="424 1794 491 1827">II</td> <td data-bbox="491 1794 1318 1827">Structure of Atom (6)</td> </tr> <tr> <td data-bbox="424 1827 491 1861">III</td> <td data-bbox="491 1827 1318 1861">Classification of Elements & Periodicity in Properties (4)</td> </tr> <tr> <td data-bbox="424 1861 491 1895">IV</td> <td data-bbox="491 1861 1318 1895">Chemical Bonding and Molecular Structure (6)</td> </tr> <tr> <td data-bbox="424 1895 491 1928">V</td> <td data-bbox="491 1895 1318 1928">States of Matter: Gases and Liquids (3)</td> </tr> <tr> <td data-bbox="424 1928 491 1962">VI</td> <td data-bbox="491 1928 1318 1962">Thermodynamics (5)</td> </tr> <tr> <td data-bbox="424 1962 491 1995">VII</td> <td data-bbox="491 1962 1318 1995">Equilibrium (6)</td> </tr> <tr> <td data-bbox="424 1995 491 2029">VIII</td> <td data-bbox="491 1995 1318 2029">Redox Reactions (3)</td> </tr> </table>	I	Some Basic Concepts of Chemistry (4)	II	Structure of Atom (6)	III	Classification of Elements & Periodicity in Properties (4)	IV	Chemical Bonding and Molecular Structure (6)	V	States of Matter: Gases and Liquids (3)	VI	Thermodynamics (5)	VII	Equilibrium (6)	VIII	Redox Reactions (3)	
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	IX Hydrogen (3) X s-Block Elements (5) XI Some p-Block Elements (6) XII Organic Chemistry: Basic Principles & Techniques (8) XIII Hydrocarbons (8) XIV Environmental Chemistry (3)		
COMPUTER SCIENCE	TOPIC	WEIGHTAGE	
	Getting Started with Python	5	
	Python Programming Fundamentals	10	
	Conditional & Looping Constructs	10	
	Strings in Python	5	
	List in Python	10	
	Tuples and Dictionary	10	
	Ch-10 : Relational Databases & SQL	10	
	Ch-11: Cyber Safety	5	
BIOLOGY	Chapter – Structural Organisation in Animals Chapter – The Unit of Life Chapter – BioMolecules Chapter – Cell Cycle and Cell Division Chapter – Transport in Plants Chapter – Mineral Nutrition Chapter – Photosynthesis in higher plants Chapter – Respiration in Plants Chapter – Plant Growth and Development Chapter – Digestion And Absorption Chapter – Breathing and Exchange of Gases Chapter – Body fluids and circulation Chapter – Excretory Products and their Elimination Chapter – Locomotion and Movement Chapter – Neural Control and Coordination Chapter – Chemical Coordination and Integration		
ECONOMICS	S.NO.	TOPIC	WEIGHTAGE
		<u>MICRO ECONOMICS</u>	
	1.	INTRODUCTION	4
	2.	CONSUMER EQUILIBRIUM AND DEMAND	13
	3.	PRODUCER'S EQUILIBRIUM AND SUPPLY	13
	4.	FORMS OF MARKET AND PRICE DETERMINATION	10
		<u>STATISTICS IN ECONOMICS</u>	
	1.	INTRODUCTION	3
	2.	COLLECTION, ORGANISATION AND PRESENTATION	10
	3.	STATISTICAL TOOLS	17
		TOTAL	80
	PROJECT + NOTE BOOK	20	
ACCOUNTANCY	Introduction to Accounting, Theory Base of Accounting, Accounting Standards, (Ch-1 to4)		WEIGHTAGE 12

	Recording of Business Transactions ,Bank reconciliation statement, Depreciation, Provisions and Reserves, Accounting of Bills of Exchange, (Ch-5-12, 14-16)		40
	Trial balance and Rectification of Errors, Financial Statements of Sole Proprietorship- with and Without adjustments, Accounts from incomplete Records-Single Entry System (Ch- 13,17-19)		20
	Computers in Accounting (Ch-21)		8
BUSINESS STUDIES	Unit	Name of Chapter	Weightage
	1.	Nature & Purpose of Business	16
	2.	Forms of Business Organisation	
	3.	Private, Public & Global Enterprises	14
	4.	Business Services	
	5.	Emerging Modes of Business	10
	6.	Social Responsibility of Business and Business Ethics	
	7.	Sources of Business Finance	20
	8.	Small Business	
	9.	Internal Trade	20
	10.	International Business- I &II	
		Total	80
HISTORY	S.NO	TOPIC	WEIGHTAGE
	1	An Empire Across Three Continent	3 marks
	2	Rise of Islam	3 marks
	3	The three orders	16 marks
	4	Changing culture traditions	16 marks
	5	Industrial Revolution	15 marks
	6	Displacing Indigenous people	6 marks
	7	Path to Modernization	15 marks
	8	Map of England and Australia	6 marks
HOME SCIENCE	UNDERSTANDING ONESELF: ADOLESCENCE	Understanding the self what makes me "I"	
		Influence on Identity Formation	
		Food, Nutrition, Health and Fitness	
	CHILDHOOD: SURVIVAL, GROWTH AND DEVELOPMENT	Childhood Survival, Growth and Development	

		Infancy (0-2 years)	
		Early Childhood (3-6 years)	
		Late Childhood (7-11 years)	
		Nutrition, Health and Well being	
		Clothing Functions and Selection of Clothes	
		Understanding Children's Clothing Needs	
	ADULTHOOD	Health and wellness	
		Family Income and Income Management	
		Saving and Investments	
		Care, Maintenance and Storage of Fabrics	

POLITICAL SCIENCE	Part A: Indian Constitution at Work		
	1	Constitution : Why and How?	8
	2	Rights of the Indian Constitution	
	3	Election and Representation	10
	4	Executive	
	5	Legislature	
	6	Judiciary	6
	7	Federalism	
	8	Local Governments	12
	9	Constitution as a Living Document	
	10	The Philosophy of the Constitution	
	Part B: Political Theory		
10	Political Theory : An Introduction	10	
11	Freedom		

	12	Equality		
	13	Social Justice	5	
	14	Rights	10	
	15	Citizenship		
	16	Nationalism	12	
	17	Secularism		
	18	Peace	7	
	19	Development		
PSYCHOLOGY	Ch-1 What is Psychology (5) Ch-2 Methods of Enquiry in Psychology(8) Ch-3 The Bases of Human Behavior(5) Ch-4 Human Development (11) Ch-5 Sensory, Attentional and Perceptual Processes(8) Ch-6 Learning (12) Ch-7 Human Memory (8) Ch-8 Thinking (6) Ch-9 Motivation and Emotion (7)			
PAINTING	1. An introduction to Art 2. Pre historic rock painting 3. Buddhist and Jain & Hindu Art 4. Temples sculpture, bronze & indo Islamic architecture			
IP	<u>TOPIC</u>		<u>WEIGHTAGE</u>	
	Ch-3: Python Programming Fundamentals		5	
	Ch-4: Conditional & Looping Constructs		10	
	Ch-5: Strings in Python		5	
	Ch-6: List Manipulation		5	
	Ch-7: Dictionary		5	
	Ch-8: Introduction to Python Modules		5	
	Ch-9 : NumPy		10	
	Ch-10 : Relational Databases & SQL		15	
	Ch-11: Cyber Safety		10	
SOCIOLOGY	1	Society, Sociology and its relationship with other Social Sciences	8	
	2	Basic Concepts and their use in Sociology	8	
	3	Understanding Social Institutions	10	
	4	Culture and Socialization	8	
	5	Doing Sociology: Research Methods	6	
	B	Understanding Society	40	
	6	Social Structure, Stratification and Social Processes in Society	10	
7	Social Change and Social order in Rural and Urban Society	10		

	8 Environment and Society	6
	9 Introducing Western Sociologists	6
	10 Indian Sociologists	8
	Total	80
PHYSICAL EDUCATION	1. Changing Trends and Career in Physical Education (11) 2. Physical Fitness, Wellness and Lifestyle (10) 3. PE and Sports for CWSN (10) 4. Yoga (14) 5. Test, Measurement and Evaluation (14) 6. Training and Doping in Sports (11)	
GEOGRAPHY	BOOK 1 - 1. Geography - Nature and Scope(3) 3. Interior of Earth (1) 4. Distribution of Continents and Oceans(2) 5. Minerals(1) 6. Geomorphic processes(1) 7. Landforms(5) 9. Insolation (5) 10. Atmospheric Circulation(2) 13. Water(2) 14. Movement of Ocean Water(5) BOOK 2 1. India- Location(4) 2. Physical Features of India(5) 3. Drainage(2) 4. Climate(8) 5. Natural Vegetation and Wildlife(2) 6. Soils(2) 7. Natural Disasters(7) Map Work From India	