



Subject	Topics
English	 Unseen Passages Directed Writing Journal writing Descriptive writing Narrative Writing Letter Writing (Formal & Informal) Article Writing Summary Writing Word Smart A - F
Urdu	 Unseen Comprehension Passages Summary Writing Essay Writing Email Writing Note Making
Mathematics	 Unit 1 Chapter 1 Review of number concepts. Unit 2 Chapter 5 Fractions, Percentages and Standard form Unit 3 Chapter 9 Rational and Irrational Numbers and Surds Unit 4 Chapter 13 Understanding Measurement Unit 1 chapter 2 Making sense of Algebra Unit 2 Chapter 6 Equations, Factors and Formulae Unit 3 Chapter 10 Quadratic Expressions and Equations From Unit 4 Chapter 14 Further Solving of Equations and Inequalities Exclude (Region in a Plane) Unit 2 Chapter 8 Introduction to Probability





























Islamiyat

Paper 1

1. Quranic passages

Allah' relationship with the created world Surah Alaq (96: 1-5),) Surah Fatiha 1, Surah Zilzaal (99) Surah Bagarah (2), Surah An

Nas (114)

- 2. <u>History and importance of Quran</u>
 - Compilation of Quran during the time of Rightly guided caliphs
 - Uses of Quran in daily lives
- 3. Life of Holy Prophet SAW

Life in Medina 1 A.H till 5 A.H

- First Islamic Community
 - Scribes of divine revelation

Paper 2

1. Ahadith:

11 till 15

- 2. History and importance of Hadith
- Structure of Hadith Methods used by major compilers
- 3. Rightly guided caliphs Caliphate of Hazrat Umer (RA)
 - Expansion of the Islamic Empire (Battles undertaken against the Persian and the Byzantines, • Administration of Hazrat Umer (R.A) • Martyrdom
- 4. Articles of Faith and pillars of Islam
 - Life after death Predestination
 - Zakat (charity) Fasting





























Pakistan Studies	<u>History</u> <u>Geography</u>
	 Minto Morley 1909 Climate
	Reversal of partition of Bengal Elements of climate Climatic regions and
	 Lucknow Pact 1916 their features
	Montagu-Chelmsford Reforms
	1919 O Agriculture
	Rowlett act Amritsar Massacre Types of agriculture Agricultural
	1919 processes Individual crops
	○ Khilafat Movement 1919- 1924 ○ Agriculture Green revolution
	O Simon Commission 1927 Nehru Report (modern methods of farming in
	1928 14 points detail)
	of Jinnah 1929 O Agriculture Livestock farming
	 Allahabad address 1930 Types, distribution, reasons
	 Salt March 1930 Agriculture Vegetable and fruit farming
	Round Table Conference 1931-32
	o Govt of India act 1935 1937
	Election
Dialas.	 Characteristics of living organisms.
Biology	 Concept and use of classification
	 Features of organisms.
	Cell structure
	 Size of specimen
	o Diffusion
	o Osmosis
	Active transport
	Biological molecules.,
	o Enzymes
	o Photosynthesis.
	Leaf structure.
	o Diet
	O Digestive System
	Physical Digestion Chemical digestion
	Chemical digestionAbsorption
	 Absorption Minerals and Limiting factors
	o winicrais and cirricing factors











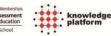
















Chemistry

- O KP Theory:
- States of matter
- Diffusion
- Experimental design
 - Apparatus used to measure time, temperature, mass and volume,
 - Purification Method Crystallization
 - Evaporation
 - Filtration
- Experimental design:
 - Distillation
 - Fractional distillation
 - Chromatography
- Elements, Compounds and Mixtures: differences between elements, compounds and mixtures
- O 2.2 Atomic Structure:
 - Symbols of atoms
 - Subatomic particles
 - Proton number
 - Nucleon number
 - Electronic configuration (first 20 elements only)
- Isotopes:
 - Similar chemical properties of isotopes
 - Calculate relative atomic mass of elements using isotopic abundances of its isotopes (Radioactive isotopes as energy sources not to be taught)
- Ionic Bonding
- Covalent Bonding
- Macromolecules
- Metallic Bonding
 - Explain in terms of structure and bonding properties of metals: (a) good electrical conductivity (b) malleability and ductility
- Formula Construct word equation chemical equation with state symbols •
 Balancing equation Ionic equation
- o Periodic Table Identify trends in groups, given information about the elements
- o 8.1 (Complete)
- Arrangement of elements
- o 8.2 (Complete)
- Alkali metals
- o 8.5 (complete)
- Noble gases
- O Noble group Describe the Group VIII noble gases as unreactive monatomic gases





























Physics	Physical Quantities and Measurement
	 Mass, Weight & Density
	o Kinematics
	 Forces & Effects (Basic Forces, Newton Laws, Hooks Law etc)
	o KMT
	 Thermal Properties
	 Thermal Properties (Heat Capacity)
	O Heat Transfer
Computer	1 Data representation 1.1 Number systems
Science	 1.2 Text, sound and images
Science	 1.3 Data storage and compression
	 2 Data transmission 2.1 Types and methods of data transmission
	 2.2 Methods of error detection
	o 2.3 Encryption
	o 3 Hardware3.2 Input and output devices
	o 3.3 Data storage
	o 3.4 Network hardware
Accounting	Fundamentals of Accounting
	 Sources and Recording of Data
	 Verifications of accounting records
	 Preparation of financial statements
	Accounting Ratio's
	 Three Column cash book its preparation
	 Petty cash book and concept of imprest system.
	 Verification of accounting records
	Bank Reconciliation
	 Preparation of bank Reconciliation Statement.





























Business Studies	 Purpose of Business Activities
	 Concept of Needs, Wants, and Scarcity
	 Economic Problems and Factors of Production
	 Concept of Specialization, Division of Labour, and Opportunity Cost
	 Economic Sectors (Primary, Secondary, Tertiary)
	 Enterprise, Business Growth, and Size
	 Business Objectives and Stakeholder Objectives
	 People in Business
	O Human Resource Management
	Recruiting and Selecting Employees
	 Employment Contracts
	Legal Controls over Employment Issues
	Training Employees
	Organization and Management
	 Simple Organization Structures (Only)
Economics	○ Chapter - 1 ○ Chapter - 8
200110111100	○ Chapter - 2 ○ Chapter – 9
	○ Chapter - 3 ○ Chapter – 10
	Chapter - 4Chapter - 11
	Chapter - 5Chapter - 12
	Chapter - 6Chapter - 13
	○ Chapter – 7 ○ Chapter – 16

Note: All topics s Sub-Topics are included in the syllabus of each subject.























